



NIST TECHNICAL NOTE 1334

U.S. DEPARTMENT OF COMMERCE / National Institute of Standards and Technology

Thermophysical Properties of Helium-4 From 0.8 to 1500 K With Pressures to 2000 MPa

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(NASA-CR-186992) THERMOPHYSICAL PROPERTIES
OF HELIUM-4 FROM 0.8 TO 1500 K WITH
PRESSURES TO 2000 MPa (National Inst. of
Standards and Technology) 143 p CSCL 070

N90-28681

Unclassified
63/25 0287394

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November 1989

Sponsored, in part, by
Department of Defense
Kirtland Air Force Base
and
NASA Ames Research Laboratory



U.S. DEPARTMENT OF COMMERCE, Robert A. Mosbacher, Secretary
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY, Raymond G. Kammer, Acting Director

National Institute of Standards and Technology Technical Note 1334
Natl. Inst. Stand. Technol., Tech. Note 1334, 142 pages (Nov. 1989)
CODEN:NTNOEF

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1989

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325

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WITH PRESSURES TO 2000 MPa

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Tabular summary data of the thermophysical properties of fluid helium are given for temperatures from 0.8 to 1500 K, with pressures to 2000 MPa between 75 and 300 K, or to 100 MPa outside of this temperature band. Properties include density, specific heats, enthalpy, entropy, internal energy, sound velocity, expansivity, compressibility, thermal conductivity, and viscosity. The data are calculated from a computer program which is available from the National Institute of Standards and Technology. The computer program is based on carefully fitted state equations for both normal and superfluid helium.

Key words: conductivity; density; helium; sound velocity; specific heat; state equation; superfluid; thermodynamic properties; viscosity

1.0 INTRODUCTION

The thermophysical properties of helium-4 have previously been tabulated in NBS Technical Note 631 for temperatures from 2 to 1500 K with pressures to 100 MPa [McCarty, 1972], and for HeII in NBS Technical Note 1029 for temperatures from 0 to (almost) the lambda line [McCarty, 1980]. These two publications were based on two different computer codes, neither of which was valid within about ± 0.1 K of the lambda line which separates HeI from HeII.

The HeI computer code has been revised [McCarty, 1989] to remove some thermodynamic inconsistencies, particularly for the dense liquid. It is valid from about 2.5 to 1500 K with pressures to 100 MPa; between 75 and 300 K it is valid to 2000 MPa, but at reduced accuracy. A new code [Arp, 1989] includes HeII, the lambda line, and compressed liquid HeI from 0.8 to 2.5 K. These two codes have been joined smoothly to produce a single code valid from 0.8 to 1500 K, from which the data of this Technical Note have been calculated.

2.0 TEMPERATURE SCALE, FIXED POINTS, AND UNITS

All of the data tabulated in this publication are consistent with the new ITS-90 temperature scale [Rusby, 1989]. In the liquid helium range, this scale utilized the EPT-76 temperature scale [Durieux and Rusby, 1983]. Fixed pressures and temperatures on this scale are included in table 1.

The molecular weight, M , is 4.0026 gm/mol.

Table 1. Fixed points on the EPT-76 temperature scale.

Critical Point
$P_c = 227\ 460\ \text{Pa}$
$T_c = 5.1953\ \text{K}$
$\rho_c = 69.64\ \text{kg/m}^3$
Normal Boiling Point
$P = 101\ 325\ \text{Pa}$
$T = 4.2221\ \text{K}$
Lower Lambda Point
$P = 5041.8\ \text{Pa}$
$T = 2.1768\ \text{K}$
$\rho_{\text{liquid}} = 146.15\ \text{kg/m}^3$

3.0 STATE PROPERTIES

3.1 The Overlap Region for the Arp and the McCarty Equations

The equations used to generate the state properties are detailed in other publications [Arp, 1989; McCarty, 1989] and will not be repeated here. It is important to note, however, that the tabulated values, being derived from a state equation, are thermodynamically consistent at a given state point, with a mild exception in the overlap region, where weighted averages between the two state equations are used. The boundaries of the overlap region are defined by two lines in the density-temperature plane of the compressed liquid. When the density, ρ , is <140 or $>189\ \text{kg/m}^3$, the McCarty equation is always used. Between these densities, the Arp equation is used for temperatures less than

$$T_A = 2.98 - 0.0056(\rho-140) - 0.035 \text{ Max}(0, \rho-180)$$

and the McCarty equation is used for temperatures greater than

$$T_M = 2.53 - 0.056(\rho-140) - 0.035 \text{ Max}(0, \rho-180).$$

For temperatures between T_A and T_M , the calculated state property is a linearly temperature-dependent weighted average of the state properties calculated from the Arp and McCarty equations, respectively. Thus, in the overlap region, the various calculated thermodynamic properties are not exactly consistent with one another; e.g. the Maxwell relations are only approximate, the numerical integral of C_p along an isobar is not exactly the enthalpy difference, etc. In practice, the errors are on the order of 3% or less in the compressed liquid for pressures up to about 0.2 MPa, but rise to 20% or more as the melting line is approached. The problem of obtaining thermodynamic consistency in this overlap region is compounded by the general lack of experimental data in this region, especially at higher pressures.

3.2 Density

Estimated uncertainties in the tabulated densities are given in table 2.

Table 2. Uncertainties in the PVT data.

<u>Temperature Range</u> (K)	<u>Pressure Range</u> (MPa)	<u>Uncertainty in Density</u>	
		Average (%)	Maximum (%)
2-20	0-0.2	0.1	0.5
2-20	0.2-100	0.15	1.5
Critical Region	$T_c \pm 5\%$, $\rho_c \pm 20\%$	3.0	8.0
20-70	0-2	0.25	0.75
20-70	2-100	0.1	1.0
70-150	0-10	0.1	0.5
70-150	10-100	0.5	2.0 (no reliable data)
75-300	100-2000	1.0	5.0
150-400	0-10	0.1	0.25
150-400	10-100	0.1	0.5
400-1500	0-10	0.1	0.5
400-1500	10-100	0.2	2.0

3.3 Derived Properties

Derived properties are those which can be obtained by differentiation and/or integration of the PVT surface. They include the internal energy, enthalpy, entropy, sound velocity, Gruneisen parameter, thermal expansivity, and isothermal compressibility. In general, the derived properties will be less accurate, typically by an order of magnitude, than the densities as listed in table 2. The derived properties include

the (dimensionless) Gruneisen parameter, which is defined as

$$\phi = \left(\frac{V}{C_v} \right) \left(\frac{\partial P}{\partial T} \right)_v,$$

the thermal expansivity which is given in dimensionless form as

$$\alpha = \left(\frac{T}{V} \right) \left(\frac{\partial V}{\partial T} \right)_P,$$

and the isothermal compressibility, which is given in dimensionless form as

$$\kappa_T = \left(\frac{P}{\rho} \right) \left(\frac{\partial \rho}{\partial P} \right)_T.$$

4.0 TRANSPORT PROPERTIES

4.1 Thermal Conductivity

The calculated thermal conductivities are taken from the correlation of Hands and Arp [1981]. These were fitted to the 1972 helium properties code, and have not been refitted to the 1989 code. However, the differences are expected to be small compared to the uncertainty in the basic experimental data. The validity is unknown below 3.5 K or above 100 MPa, so no values are listed in these ranges.

4.2 Viscosity

No new viscosity data have been added since the 1972 correlation. Since the 1972 publication is out of print, and the equations are unpublished elsewhere, we summarize the equations as follows.

4.2.1 Superfluid Viscosity

The viscosity of the normal component of superfluid helium has not been included in this correlation.

4.2.2 Viscosity Between 100 K and 3.5 K

For temperatures of 100 K and below, the equation

$$\ln\eta = \eta'_o(T) + \eta'_E(\rho, T) \quad (1)$$

was used to calculate the viscosity for helium. If $x = \ln(T)$, then

$$\begin{aligned} \eta'_o(T) = & - 0.135\ 311\ 743/x + 1.003\ 478\ 41 + 1.206\ 546\ 49x \\ & - 0.149\ 564\ 551x^2 + 0.012\ 520\ 841\ 6x^3 \end{aligned} \quad (2)$$

and

$$\eta'_E(\rho, T) = \rho B(T) + \rho^2 C(T) + \rho^3 D(T) \quad (3)$$

where ρ is in g/cm³, and

$$\begin{aligned} B(T) = & - 47.529\ 525\ 9/x + 87.679\ 930\ 9 - 42.074\ 158\ 9x \\ & + 8.331\ 282\ 89x^2 - 0.589\ 252\ 385x^3 \end{aligned} \quad (4)$$

$$\begin{aligned} C(T) = & 547.309\ 267/x - 904.870\ 586 + 431.404\ 928x \\ & - 81.450\ 485\ 4x^2 + 5.370\ 084\ 33x^3 \end{aligned} \quad (5)$$

$$\begin{aligned} D(T) = & - 1684.393\ 24/x + 3331.086\ 30 - 1632.191\ 72x \\ & + 308.804\ 413x^2 - 20.293\ 636\ 7x^3 \end{aligned} \quad (6)$$

The resulting viscosities are in $\mu\text{g}/\text{cm}\cdot\text{s}$. Equations (1-6) are from Steward and Wallace (1971). Steward's work included measurements from 4 to 20 K at pressures from the dilute gas region to 10 MN/m². Steward reports a standard deviation of .032 in the natural log of the viscosity in the units of $\mu\text{g}/\text{cm}\cdot\text{s}$. In addition, Steward proposes the possibility of an uncertainty of $\pm 8\%$.

4.2.3 Viscosity Between 100 and 300 K

Steward included a few points calculated from the Enskog theory (Hanley, McCarty, and Cohn, 1972) when the equations (1-6) were derived. He found this necessary to enable the use of these equations up to 300 K. However, from 100 to 300 K, the dilute-gas values of Steward differ by 2.5% from a correlation by Maitland and Smith (1971). Since Steward reports using calculated dilute-gas values and the correlation of Maitland and Smith is based on experimental data, the dilute-gas values of Maitland and Smith were used for all $T > 110$. Between 100 and 110 K, a linear average of the dilute gas values of Steward and Maitland and Smith was used. In the 100 to 110 K temperature range, the dense gas contribution for

viscosity was calculated from Steward's equations. The equations for viscosity between 100 and 300 K are:

$$\eta(\rho, T) = \eta_o(T) + \eta_e(\rho, T) \quad (7)$$

where

$$\eta_o(T) = 196T^{0.7} \cdot 938 e^{(12.451/T - 295.67/T^2 - 4.1249)} \quad (8)$$

and

$$\eta_e = e^{[\eta'_o(T) + \eta'_e(\rho, T)]} e^{[\eta'_o(T) + \eta'_e(0, T)]} \quad (9)$$

where ρ is in g/cm³, T in K, and η is in $\mu\text{g}/\text{cm}\cdot\text{s}$.

4.2.4 Viscosity Above 300 K

Since Steward's analysis did not include any dense-gas data for temperatures above 300 K, either calculated or experimental, the temperature-dependent excess function given by equation (9) was evaluated at 300 K. The resulting equation for η_e is a function of density alone and gives results similar to the excess function of Tsederberg et al. (1969). The uncertainty of the viscosity for $T > 100$ K is estimated to be maximum of $\pm 10\%$.

4.3 Thermal Diffusivity

The thermal diffusivity of a fluid is defined as

$$\alpha = \lambda / (\rho C_p) \quad (10)$$

where α is the thermal diffusivity, λ is the thermal conductivity, and C_p is the specific heat at constant pressure. The tabulations of thermal diffusivity in appendices A and B have been calculated using equation 10, and ρ , λ , and C_p in the tables. The uncertainty of α is estimated to be 20%, except in the critical region.

4.4 Prandtl Number

The Prandtl number is frequently used in engineering calculations and is defined as

$$Pr = C_p \eta / \lambda \quad (11)$$

where C_p is the specific heat at constant pressure, η is the viscosity, and λ is the thermal conductivity. The tabulations of the Prandtl number in appendices A and B have been calculated from equation (11) using values of η , λ , and C_p from adjacent entries in the tables. Since Pr is a function of both η and λ , the uncertainty in Pr could be as much as 25%.

5.0 DIELECTRIC CONSTANT

The dielectric constant of a fluid may be calculated from the Clausius-Mossotti equation:

$$\left[\frac{3M}{4\pi} \right] \left[\frac{\epsilon - 1}{\epsilon + 2} \right] \frac{1}{\rho} = p \quad (12)$$

where M is the molecular weight (4.0026), ϵ is the dielectric constant, ρ is the density, and p is the specific polarizability, a property of the substance having dimensions of specific volume. Measurements of the dielectric constant by Kerr and Sherman (1970) indicate that for

helium-4 the specific polarizability is a weak function of density and that the first density correction is negative. For the calculations here, the equation

$$p = 0.123\ 396 - 0.0014\ \rho \quad (13)$$

was used, where p is the specific polarizability in cm^3/g and ρ is the density in g/cm^3 . The uncertainty of the tabulated values of dielectric constant is estimated to be 0.01%. The tabulated value in this publication is $\epsilon-1$.

6.0 SURFACE TENSION

The surface tension is not tabulated in this Technical Note. It may be calculated using the equation

$$T = T_o (1 - T/T_c) \quad (14)$$

where $T_o = 0.5308 \text{ dyn/cm}$ and $T_c = 5.1953 \text{ K}$. The T_o is based on a least squares fit of equation (14) to the data of van Urk, Keesom, and Onnes (1925). Two sources of experimental data which were not included in the fit are Dickson, Caroline, and Mendoza (1970) and Devaraj and Hollis-Hallett (1967). This subject needs further examination.

7.0 CONCLUSIONS

The helium properties tabulated in this Technical Note are derived from thermodynamically consistent state and transport functions. The user who needs the results on a finer grid or in a different format may wish to obtain the equations in computerized form from the authors.

In general, it is anticipated that future experimental measurements will not disclose large errors in the state properties, but possibly could disclose errors of 5 to 10 percent in the tabulated transport properties. Certainly the transport properties are incomplete at the lowest temperatures and highest pressures.

8.0 ACKNOWLEDGEMENT

This work was supported in part by the Department of Defense, Kirtland Air Force Base, and by NASA Ames Research Laboratory.

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APPENDIX A Properties of Coexisting Liquid and Vapor
Along the Saturation Line

TEMP [K]	DENSITY [kg/m ³]	PRESSURE [MPa]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	145.2	0.1475E-05	0.1866E-02	0.1877E-02	0.4713E-02	0.2241E-01	0.2242E-01	237.8
0.8000	0.8882E-03	0.1475E-05	17.76	19.42	23.94	3.125	5.210	52.61
0.8500	145.2	0.2914E-05	0.3255E-02	0.3275E-02	0.6392E-02	0.3376E-01	0.3377E-01	238.0
0.8500	0.1652E-02	0.2914E-05	17.92	19.68	22.84	3.129	5.218	54.21
0.9000	145.2	0.5379E-05	0.5319E-02	0.5356E-02	0.8748E-02	0.4965E-01	0.4966E-01	238.1
0.9000	0.2881E-02	0.5379E-05	18.07	19.94	21.86	3.135	5.230	55.77
0.9500	145.2	0.9379E-05	0.8317E-02	0.8381E-02	0.1198E-01	0.7133E-01	0.7133E-01	238.2
0.9500	0.4762E-02	0.9379E-05	18.22	20.19	20.98	3.143	5.244	57.27
1.000	145.2	0.1557E-04	0.1257E-01	0.1268E-01	0.1634E-01	0.1002	0.1002	238.2
1.000	0.7516E-02	0.1557E-04	18.37	20.44	20.19	3.152	5.262	58.73
1.050	145.2	0.2478E-04	0.1848E-01	0.1865E-01	0.2210E-01	0.1376	0.1376	238.2
1.050	0.1140E-01	0.2478E-04	18.52	20.70	19.47	3.162	5.282	60.14
1.100	145.2	0.3800E-04	0.2650E-01	0.2676E-01	0.2956E-01	0.1852	0.1852	238.1
1.100	0.1671E-01	0.3800E-04	18.67	20.95	18.82	3.174	5.305	61.52
1.150	145.2	0.5645E-04	0.3720E-01	0.3759E-01	0.3905E-01	0.2447	0.2447	237.9
1.150	0.2377E-01	0.5645E-04	18.82	21.19	18.22	3.187	5.331	62.85
1.200	145.2	0.8148E-04	0.5120E-01	0.5176E-01	0.5096E-01	0.3176	0.3176	237.7
1.200	0.3292E-01	0.8148E-04	18.96	21.44	17.67	3.202	5.360	64.14
1.250	145.2	0.1147E-03	0.6922E-01	0.7001E-01	0.6566E-01	0.4058	0.4058	237.4
1.250	0.4456E-01	0.1147E-03	19.11	21.68	17.17	3.217	5.391	65.39
1.300	145.2	0.1579E-03	0.9206E-01	0.9315E-01	0.8357E-01	0.5110	0.5111	237.1
1.300	0.5906E-01	0.1579E-03	19.25	21.92	16.70	3.234	5.424	66.61
1.350	145.2	0.2129E-03	0.1206	0.1221	0.1051	0.6349	0.6351	236.7
1.350	0.7686E-01	0.2129E-03	19.39	22.16	16.26	3.251	5.460	67.79
1.400	145.2	0.2820E-03	0.1559	0.1579	0.1308	0.7795	0.7797	236.3
1.400	0.9836E-01	0.2820E-03	19.53	22.40	15.86	3.268	5.496	68.94
1.450	145.2	0.3674E-03	0.1990	0.2015	0.1610	0.9465	0.9469	235.9
1.450	0.1240	0.3674E-03	19.67	22.63	15.48	3.286	5.535	70.05
1.500	145.2	0.4715E-03	0.2510	0.2543	0.1962	1.138	1.138	235.4
1.500	0.1542	0.4715E-03	19.81	22.87	15.13	3.304	5.574	71.14
1.550	145.3	0.5970E-03	0.3133	0.3174	0.2370	1.356	1.356	234.9
1.550	0.1894	0.5970E-03	19.94	23.09	14.80	3.322	5.614	72.19
1.600	145.3	0.7464E-03	0.3871	0.3923	0.2839	1.602	1.603	234.4
1.600	0.2301	0.7464E-03	20.08	23.32	14.49	3.340	5.654	73.21
1.650	145.3	0.9224E-03	0.4741	0.4804	0.3374	1.879	1.881	233.8
1.650	0.2765	0.9224E-03	20.21	23.54	14.20	3.357	5.695	74.20
1.700	145.3	0.1128E-02	0.5758	0.5836	0.3981	2.191	2.193	233.1
1.700	0.3292	0.1128E-02	20.34	23.77	13.93	3.374	5.736	75.16
1.750	145.4	0.1366E-02	0.6940	0.7034	0.4666	2.541	2.543	232.4
1.750	0.3885	0.1366E-02	20.47	23.98	13.67	3.390	5.777	76.09
1.800	145.4	0.1638E-02	0.8309	0.8422	0.5437	2.935	2.938	231.5
1.800	0.4547	0.1638E-02	20.60	24.20	13.43	3.406	5.818	77.00
1.850	145.5	0.1949E-02	0.9887	1.002	0.6302	3.380	3.384	230.6
1.850	0.5281	0.1949E-02	20.72	24.41	13.20	3.420	5.858	77.88
1.900	145.5	0.2299E-02	1.170	1.186	0.7270	3.888	3.893	229.4
1.900	0.6090	0.2299E-02	20.85	24.63	12.98	3.433	5.898	78.73
1.950	145.6	0.2692E-02	1.379	1.398	0.8356	4.477	4.484	228.1
1.950	0.6974	0.2692E-02	20.97	24.83	12.78	3.445	5.937	79.57
2.000	145.7	0.3129E-02	1.621	1.642	0.9578	5.177	5.187	226.5
2.000	0.7936	0.3129E-02	21.10	25.04	12.58	3.456	5.975	80.37
2.050	145.7	0.3612E-02	1.901	1.926	1.096	6.046	6.062	224.6
2.050	0.8974	0.3612E-02	21.22	25.25	12.40	3.466	6.011	81.16
2.100	145.9	0.4141E-02	2.232	2.261	1.256	7.216	7.244	222.4
2.100	1.008	0.4141E-02	21.34	25.45	12.23	3.474	6.046	81.93
2.150	146.0	0.4715E-02	2.639	2.671	1.447	9.205	9.269	219.9
2.150	1.127	0.4715E-02	21.46	25.65	12.07	3.481	6.079	82.68
2.200	146.1	0.5335E-02	3.054	3.090	1.638	4.211	4.222	219.5
2.200	1.251	0.5335E-02	21.58	25.85	11.92	3.486	6.111	83.42

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m*K]	VISC [μPa*s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.3396E-03	1.001	0.1798E-06	0.5722E-01				
0.8000	1.003	0.667	1.001	0.3441E-06				
0.8500	0.3572E-03	0.704	0.3545E-06	0.5722E-01				
0.8500	1.004	0.661	1.001	0.6399E-06				
0.9000	0.3400E-03	0.434	0.6537E-06	0.5721E-01				
0.9000	1.006	0.664	1.001	0.1116E-05				
0.9500	0.2838E-03	0.236	0.1139E-05	0.5721E-01				
0.9500	1.008	0.665	1.002	0.1845E-05				
1.0000	0.1848E-03	0.107	0.1890E-05	0.5721E-01				
1.0000	1.011	0.665	1.003	0.2912E-05				
1.0500	0.3989E-04	0.156E-01	0.3009E-05	0.5721E-01				
1.0500	1.014	0.663	1.004	0.4417E-05				
1.1000	-0.1536E-03	-0.423E-01	0.4619E-05	0.5721E-01				
1.1000	1.018	0.659	1.005	0.6473E-05				
1.1500	-0.3980E-03	-0.8016E-01	0.6870E-05	0.5721E-01				
1.1500	1.022	0.653	1.006	0.9207E-05				
1.2000	-0.6949E-03	-0.1010	0.9935E-05	0.5722E-01				
1.2000	1.027	0.656	1.007	0.1275E-04				
1.2500	-0.1046E-02	-0.1122	0.1402E-04	0.5722E-01				
1.2500	1.032	0.658	1.009	0.1726E-04				
1.3000	-0.1452E-02	-0.1229	0.1934E-04	0.5722E-01				
1.3000	1.038	0.659	1.010	0.2288E-04				
1.3500	-0.1914E-02	-0.1231	0.2617E-04	0.5722E-01				
1.3500	1.044	0.659	1.012	0.2978E-04				
1.4000	-0.2433E-02	-0.1245	0.3478E-04	0.5723E-01				
1.4000	1.051	0.649	1.014	0.3811E-04				
1.4500	-0.3011E-02	-0.1220	0.4549E-04	0.5724E-01				
1.4500	1.058	0.645	1.017	0.4804E-04				
1.5000	-0.3650E-02	-0.1135	0.5861E-04	0.5724E-01				
1.5000	1.065	0.6447	1.019	0.5975E-04				
1.5500	-0.4356E-02	-0.1143	0.7452E-04	0.5725E-01				
1.5500	1.073	0.6427	1.022	0.7339E-04				
1.6000	-0.5138E-02	-0.1100	0.9360E-04	0.5726E-01				
1.6000	1.082	0.6407	1.025	0.8913E-04				
1.6500	-0.6013E-02	-0.1059	0.1162E-03	0.5727E-01				
1.6500	1.090	0.6387	1.028	0.1071E-03				
1.7000	-0.7003E-02	-0.1021	0.1429E-03	0.5729E-01				
1.7000	1.099	0.6368	1.031	0.1275E-03				
1.7500	-0.8149E-02	-0.9887E-01	0.1741E-03	0.5730E-01				
1.7500	1.109	0.6350	1.035	0.1505E-03				
1.8000	-0.9509E-02	-0.9741E-01	0.2103E-03	0.5732E-01				
1.8000	1.119	0.6333	1.038	0.1762E-03				
1.8500	-0.1110E-01	-0.9492E-01	0.2522E-03	0.5734E-01				
1.8500	1.129	0.6317	1.042	0.2046E-03				
1.9000	-0.1329E-01	-0.9159E-01	0.3005E-03	0.5736E-01				
1.9000	1.139	0.6202	1.046	0.2359E-03				
1.9500	-0.1608E-01	-0.9167E-01	0.3560E-03	0.5738E-01				
1.9500	1.150	0.6188	1.051	0.2702E-03				
2.0000	-0.1992E-01	-0.9151E-01	0.4196E-03	0.5741E-01				
2.0000	1.161	0.6176	1.055	0.3075E-03				
2.0500	-0.2553E-01	-0.1136	0.4925E-03	0.5745E-01				
2.0500	1.172	0.6166	1.060	0.3477E-03				
2.1000	-0.3453E-01	-0.1123	0.5760E-03	0.5749E-01				
2.1000	1.183	0.6157	1.065	0.3907E-03				
2.1500	-0.5346E-01	-0.1197	0.6724E-03	0.5756E-01				
2.1500	1.195	0.6149	1.069	0.4365E-03				
2.2000	0.2258E-01	0.172	0.7595E-03	0.5761E-01				
2.2000	1.206	0.6144	1.074	0.4847E-03				

TEMP [K]	DENSITY [kg/m ³]	PRESSURE [MPa]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
2.250	146.0	0.6005E-02	3.229	3.270	1.717	3.033	3.078	220.6
2.250	1.383	0.6005E-02	21.71	26.05	11.78	3.489	6.141	84.14
2.300	145.9	0.6730E-02	3.372	3.418	1.780	2.613	2.685	221.3
2.300	1.523	0.6730E-02	21.82	26.24	11.65	3.492	6.170	84.85
2.350	145.7	0.7512E-02	3.500	3.552	1.835	2.389	2.487	221.8
2.350	1.671	0.7512E-02	21.94	26.44	11.52	3.494	6.199	85.53
2.400	145.5	0.8354E-02	3.621	3.678	1.886	2.252	2.375	222.1
2.400	1.828	0.8354E-02	22.06	26.63	11.40	3.495	6.228	86.20
2.450	145.3	0.9258E-02	3.737	3.801	1.934	2.164	2.314	222.2
2.450	1.994	0.9258E-02	22.18	26.82	11.28	3.495	6.256	86.85
2.500	145.0	0.1023E-01	3.851	3.922	1.980	2.106	2.284	222.1
2.500	2.170	0.1023E-01	22.29	27.00	11.17	3.494	6.285	87.49
2.550	144.7	0.1126E-01	3.962	4.040	2.024	2.098	2.304	221.2
2.550	2.354	0.1126E-01	22.40	27.19	11.06	3.493	6.315	88.10
2.600	144.4	0.1237E-01	4.075	4.161	2.068	2.083	2.320	220.3
2.600	2.549	0.1237E-01	22.51	27.37	10.96	3.491	6.344	88.70
2.650	144.1	0.1355E-01	4.190	4.284	2.112	2.065	2.334	219.4
2.650	2.754	0.1355E-01	22.62	27.54	10.85	3.488	6.375	89.28
2.700	143.8	0.1481E-01	4.305	4.408	2.155	2.049	2.351	218.6
2.700	2.970	0.1481E-01	22.73	27.72	10.76	3.485	6.406	89.85
2.750	143.4	0.1614E-01	4.422	4.534	2.198	2.036	2.374	217.8
2.750	3.196	0.1614E-01	22.84	27.89	10.66	3.482	6.438	90.40
2.800	143.0	0.1755E-01	4.539	4.662	2.240	2.030	2.403	217.1
2.800	3.433	0.1755E-01	22.94	28.06	10.57	3.477	6.470	90.93
2.850	142.6	0.1905E-01	4.658	4.791	2.282	2.030	2.441	216.5
2.850	3.682	0.1905E-01	23.05	28.22	10.48	3.473	6.505	91.44
2.900	142.2	0.2063E-01	4.778	4.923	2.324	2.035	2.486	215.9
2.900	3.942	0.2063E-01	23.15	28.38	10.39	3.467	6.540	91.95
2.950	141.8	0.2229E-01	4.900	5.058	2.366	2.044	2.537	215.2
2.950	4.214	0.2229E-01	23.25	28.54	10.30	3.462	6.577	92.43
3.000	141.4	0.2405E-01	5.025	5.195	2.408	2.061	2.597	214.4
3.000	4.499	0.2405E-01	23.34	28.69	10.22	3.456	6.616	92.90
3.050	140.9	0.2589E-01	5.153	5.337	2.451	2.086	2.667	213.5
3.050	4.796	0.2589E-01	23.44	28.84	10.13	3.450	6.657	93.36
3.100	140.4	0.2784E-01	5.285	5.483	2.494	2.113	2.740	212.5
3.100	5.106	0.2784E-01	23.53	28.98	10.05	3.443	6.700	93.80
3.150	139.9	0.2987E-01	5.419	5.633	2.537	2.141	2.817	211.5
3.150	5.430	0.2987E-01	23.62	29.12	9.975	3.436	6.745	94.22
3.200	139.4	0.3201E-01	5.557	5.787	2.581	2.170	2.896	210.4
3.200	5.767	0.3201E-01	23.71	29.26	9.898	3.428	6.792	94.63
3.250	138.9	0.3425E-01	5.699	5.945	2.625	2.199	2.978	209.2
3.250	6.119	0.3425E-01	23.79	29.38	9.821	3.421	6.843	95.03
3.300	138.4	0.3659E-01	5.844	6.108	2.670	2.228	3.061	208.0
3.300	6.486	0.3659E-01	23.88	29.52	9.747	3.413	6.897	95.41
3.350	137.8	0.3904E-01	5.993	6.276	2.715	2.255	3.146	206.6
3.350	6.869	0.3904E-01	23.95	29.64	9.673	3.405	6.954	95.78
3.400	137.3	0.4159E-01	6.145	6.448	2.760	2.282	3.233	205.3
3.400	7.267	0.4159E-01	24.03	29.76	9.600	3.397	7.015	96.13
3.450	136.7	0.4426E-01	6.301	6.625	2.806	2.307	3.322	203.9
3.450	7.682	0.4426E-01	24.10	29.87	9.529	3.388	7.080	96.47
3.500	136.1	0.4704E-01	6.461	6.806	2.852	2.331	3.413	202.5
3.500	8.114	0.4704E-01	24.17	29.97	9.458	3.379	7.150	96.79
3.550	135.5	0.4994E-01	6.624	6.992	2.899	2.354	3.506	201.0
3.550	8.564	0.4994E-01	24.24	30.07	9.388	3.370	7.224	97.10
3.600	134.8	0.5296E-01	6.791	7.184	2.946	2.376	3.601	199.5
3.600	9.033	0.5296E-01	24.31	30.17	9.318	3.361	7.305	97.40
3.650	134.2	0.5609E-01	6.961	7.380	2.994	2.396	3.700	197.9
3.650	9.521	0.5609E-01	24.37	30.26	9.250	3.352	7.391	97.68

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m²/s]	PRANDTL
2.250	0.4592E-01	0.3217	0.8576E-03	0.5757E-01				
2.250	1.218	0.6210	1.079	0.5358E-03				
2.300	0.5911E-01	0.4646	0.9682E-03	0.5751E-01				
2.300	1.229	0.6217	1.085	0.5900E-03				
2.350	0.6983E-01	0.5877	0.1091E-02	0.5743E-01				
2.350	1.242	0.6216	1.090	0.6475E-03				
2.400	0.7965E-01	0.6810	0.1228E-02	0.5735E-01				
2.400	1.254	0.6215	1.096	0.7084E-03				
2.450	0.8917E-01	0.7755	0.1381E-02	0.5725E-01				
2.450	1.267	0.6216	1.102	0.7727E-03				
2.500	0.9870E-01	0.8566	0.1550E-02	0.5715E-01				
2.500	1.281	0.6217	1.108	0.8407E-03				
2.550	0.1087	0.9011	0.1747E-02	0.5704E-01				
2.550	1.295	0.6210	1.114	0.9124E-03				
2.600	0.1189	0.9500	0.1966E-02	0.5692E-01				
2.600	1.309	0.6214	1.121	0.9879E-03				
2.650	0.1294	1.017	0.2208E-02	0.5679E-01				
2.650	1.324	0.6218	1.128	0.1067E-02				
2.700	0.1401	1.055	0.2474E-02	0.5666E-01				
2.700	1.340	0.6214	1.135	0.1151E-02				
2.750	0.1510	1.088	0.2765E-02	0.5651E-01				
2.750	1.356	0.6210	1.143	0.1239E-02				
2.800	0.1621	1.155	0.3081E-02	0.5636E-01				
2.800	1.373	0.6217	1.151	0.1331E-02				
2.850	0.1734	1.188	0.3425E-02	0.5620E-01				
2.850	1.391	0.6216	1.159	0.1427E-02				
2.900	0.1851	1.177	0.3801E-02	0.5604E-01				
2.900	1.410	0.6215	1.167	0.1528E-02				
2.950	0.1975	1.222	0.4214E-02	0.5587E-01				
2.950	1.430	0.6215	1.176	0.1633E-02				
3.000	0.2101	1.219	0.4666E-02	0.5569E-01				
3.000	1.450	0.6316	1.186	0.1744E-02				
3.050	0.2229	1.200	0.5155E-02	0.5551E-01				
3.050	1.472	0.6318	1.196	0.1859E-02				
3.100	0.2362	1.216	0.5690E-02	0.5532E-01				
3.100	1.494	0.6310	1.206	0.1979E-02				
3.150	0.2501	1.211	0.6277E-02	0.5512E-01				
3.150	1.518	0.6314	1.217	0.2105E-02				
3.200	0.2646	1.214	0.6920E-02	0.5492E-01				
3.200	1.543	0.6318	1.228	0.2236E-02				
3.250	0.2797	1.215	0.7626E-02	0.5472E-01				
3.250	1.570	0.6313	1.240	0.2372E-02				
3.300	0.2956	1.215	0.8401E-02	0.5450E-01				
3.300	1.598	0.6319	1.252	0.2515E-02				
3.350	0.3122	1.215	0.9251E-02	0.5428E-01				
3.350	1.627	0.6416	1.265	0.2663E-02				
3.400	0.3297	1.214	0.1018E-01	0.5405E-01				
3.400	1.658	0.6414	1.279	0.2818E-02				
3.450	0.3481	1.213	0.1121E-01	0.5382E-01				
3.450	1.691	0.6413	1.294	0.2979E-02				
3.500	0.3676	1.212	0.1235E-01	0.5358E-01				
3.500	1.726	0.6413	1.309	0.3146E-02				
3.550	0.3882	1.210	0.1359E-01	0.5333E-01	0.1785E-01	3.447	0.3758E-07	0.6770
3.550	1.764	0.6414	1.326	0.3321E-02	0.7187E-02	0.9864	0.1162E-06	0.9916
3.600	0.4100	1.218	0.1497E-01	0.5307E-01	0.1794E-01	3.440	0.3695E-07	0.6906
3.600	1.803	0.6515	1.343	0.3503E-02	0.7310E-02	1.004	0.1108E-06	1.003
3.650	0.4332	1.216	0.1649E-01	0.5281E-01	0.1802E-01	3.431	0.3631E-07	0.7044
3.650	1.846	0.6518	1.362	0.3693E-02	0.7435E-02	1.022	0.1057E-06	1.016

TEMP [K]	DENSITY [kg/m ³]	PRESSURE [MPa]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C _V [J/g*K]	C _P [J/g*K]	VSOUND [m/s]
3.700	133.5	0.5935E-01	7.136	7.581	3.042	2.415	3.801	196.3
3.700	10.03	0.5935E-01	24.42	30.34	9.181	3.343	7.484	97.95
3.750	132.8	0.6274E-01	7.314	7.787	3.081	2.432	3.907	194.7
3.750	10.56	0.6274E-01	24.47	30.41	9.113	3.333	7.585	98.20
3.800	132.0	0.6625E-01	7.496	7.998	3.140	2.448	4.017	193.0
3.800	11.11	0.6625E-01	24.52	30.48	9.046	3.324	7.694	98.44
3.850	131.3	0.6989E-01	7.683	8.215	3.189	2.464	4.133	191.2
3.850	11.69	0.6989E-01	24.56	30.55	8.978	3.314	7.813	98.67
3.900	130.5	0.7366E-01	7.873	8.437	3.239	2.478	4.254	189.5
3.900	12.29	0.7366E-01	24.60	30.60	8.911	3.304	7.942	98.88
3.950	129.7	0.7757E-01	8.068	8.665	3.290	2.492	4.382	187.7
3.950	12.91	0.7757E-01	24.64	30.65	8.844	3.294	8.083	99.08
4.000	128.9	0.8162E-01	8.266	8.899	3.341	2.504	4.519	185.8
4.000	13.56	0.8162E-01	24.67	30.68	8.776	3.284	8.238	99.27
4.050	128.1	0.8581E-01	8.470	9.140	3.392	2.516	4.664	183.9
4.050	14.25	0.8581E-01	24.69	30.71	8.709	3.274	8.408	99.44
4.100	127.2	0.9014E-01	8.678	9.387	3.444	2.527	4.820	182.0
4.100	14.96	0.9014E-01	24.71	30.73	8.641	3.263	8.595	99.60
4.150	126.3	0.9461E-01	8.891	9.640	3.497	2.538	4.988	180.0
4.150	15.70	0.9461E-01	24.72	30.74	8.573	3.253	8.802	99.74
4.200	125.4	0.9923E-01	9.109	9.901	3.551	2.548	5.170	177.9
4.200	16.49	0.9923E-01	24.72	30.74	8.504	3.243	9.033	99.88
4.250	124.4	0.1040	9.333	10.17	3.605	2.557	5.369	175.8
4.250	17.31	0.1040	24.72	30.73	8.434	3.232	9.291	100.0
4.300	123.4	0.1089	9.563	10.45	3.661	2.566	5.587	173.7
4.300	18.17	0.1089	24.71	30.71	8.363	3.221	9.582	100.1
4.350	122.3	0.1140	9.799	10.73	3.717	2.575	5.828	171.4
4.350	19.08	0.1140	24.69	30.67	8.292	3.210	9.910	100.2
4.400	121.3	0.1193	10.04	11.02	3.775	2.584	6.097	169.1
4.400	20.03	0.1193	24.66	30.62	8.218	3.200	10.29	100.3
4.450	120.1	0.1247	10.29	11.33	3.833	2.592	6.400	166.8
4.450	21.05	0.1247	24.63	30.55	8.144	3.189	10.72	100.3
4.500	118.9	0.1303	10.55	11.64	3.893	2.601	6.742	164.3
4.500	22.12	0.1303	24.58	30.47	8.067	3.177	11.22	100.4
4.550	117.7	0.1360	10.82	11.97	3.955	2.609	7.135	161.8
4.550	23.27	0.1360	24.52	30.36	7.988	3.166	11.80	100.5
4.600	116.3	0.1419	11.09	12.31	4.018	2.618	7.590	159.2
4.600	24.49	0.1419	24.44	30.24	7.906	3.154	12.50	100.5
4.650	114.9	0.1480	11.38	12.67	4.084	2.626	8.125	156.5
4.650	25.80	0.1480	24.35	30.09	7.821	3.143	13.34	100.5
4.700	113.5	0.1543	11.68	13.04	4.151	2.635	8.763	153.7
4.700	27.22	0.1543	24.24	29.91	7.732	3.130	14.37	100.6
4.750	111.9	0.1608	11.99	13.43	4.222	2.645	9.540	150.8
4.750	28.76	0.1608	24.11	29.70	7.639	3.118	15.66	100.6
4.800	110.2	0.1674	12.33	13.85	4.296	2.655	10.51	147.8
4.800	30.44	0.1674	23.95	29.45	7.539	3.105	17.32	100.6
4.850	108.3	0.1743	12.68	14.29	4.375	2.666	11.74	144.6
4.850	32.32	0.1743	23.76	29.15	7.433	3.091	19.54	100.7
4.900	106.3	0.1813	13.05	14.76	4.458	2.677	13.38	141.3
4.900	34.42	0.1813	23.53	28.80	7.317	3.077	22.64	100.8
4.950	104.0	0.1886	13.46	15.28	4.549	2.690	15.65	137.8
4.950	36.84	0.1886	23.25	28.37	7.188	3.061	27.27	100.9
5.000	101.4	0.1960	13.91	15.85	4.649	2.706	19.02	134.1
5.000	39.71	0.1960	22.89	27.83	7.041	3.044	34.93	101.2
5.050	98.40	0.2037	14.42	16.49	4.763	2.723	24.47	130.2
5.050	43.30	0.2037	22.42	27.12	6.863	3.023	50.05	101.6
5.100	94.71	0.2116	15.03	17.26	4.898	2.745	34.60	125.9
5.100	48.38	0.2116	21.70	26.08	6.624	2.996	95.84	102.3

TEMP [K]	$\left(\frac{\frac{\partial V}{\partial T}}{V} \frac{\partial P}{\partial T}\right)_P$	$\left(\frac{\frac{\partial V}{\partial T}}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{\frac{\partial P}{\partial T}}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
3.700	0.4579	1.254	0.1817E-01	0.5253E-01	0.1810E-01	3.422	0.3568E-07	0.7186
3.700	1.891	0.6552	1.381	0.3890E-02	0.7561E-02	1.040	0.1007E-06	1.029
3.750	0.4843	1.252	0.2003E-01	0.5225E-01	0.1818E-01	3.411	0.3504E-07	0.7333
3.750	1.940	0.6576	1.402	0.4096E-02	0.7690E-02	1.058	0.9601E-07	1.044
3.800	0.5125	1.250	0.2211E-01	0.5197E-01	0.1825E-01	3.400	0.3440E-07	0.7485
3.800	1.992	0.6632	1.424	0.4310E-02	0.7820E-02	1.076	0.9147E-07	1.059
3.850	0.5428	1.248	0.2441E-01	0.5167E-01	0.1831E-01	3.387	0.3375E-07	0.7644
3.850	2.048	0.6629	1.448	0.4533E-02	0.7952E-02	1.095	0.8710E-07	1.076
3.900	0.5755	1.245	0.2698E-01	0.5136E-01	0.1837E-01	3.374	0.3308E-07	0.7811
3.900	2.109	0.6657	1.474	0.4766E-02	0.8087E-02	1.114	0.8288E-07	1.094
3.950	0.6107	1.243	0.2985E-01	0.5104E-01	0.1843E-01	3.359	0.3241E-07	0.7988
3.950	2.175	0.6686	1.502	0.5009E-02	0.8224E-02	1.133	0.7880E-07	1.114
4.000	0.6489	1.240	0.3308E-01	0.5072E-01	0.1848E-01	3.344	0.3172E-07	0.8175
4.000	2.246	0.6717	1.532	0.5263E-02	0.8365E-02	1.152	0.7486E-07	1.135
4.050	0.6904	1.237	0.3671E-01	0.5038E-01	0.1853E-01	3.327	0.3102E-07	0.8375
4.050	2.324	0.6748	1.564	0.5528E-02	0.8509E-02	1.172	0.7104E-07	1.158
4.100	0.7357	1.233	0.4080E-01	0.5003E-01	0.1857E-01	3.310	0.3029E-07	0.8590
4.100	2.409	0.6782	1.600	0.5805E-02	0.8656E-02	1.192	0.6733E-07	1.184
4.150	0.7854	1.229	0.4545E-01	0.4967E-01	0.1861E-01	3.291	0.2954E-07	0.8822
4.150	2.503	0.6816	1.638	0.6095E-02	0.8809E-02	1.212	0.6372E-07	1.211
4.200	0.8402	1.225	0.5073E-01	0.4930E-01	0.1864E-01	3.272	0.2876E-07	0.9073
4.200	2.606	0.6852	1.681	0.6399E-02	0.8966E-02	1.233	0.6021E-07	1.242
4.250	0.9008	1.221	0.5678E-01	0.4891E-01	0.1867E-01	3.252	0.2796E-07	0.9348
4.250	2.721	0.6890	1.728	0.6719E-02	0.9129E-02	1.254	0.5677E-07	1.276
4.300	0.9683	1.216	0.6373E-01	0.4851E-01	0.1870E-01	3.230	0.2713E-07	0.9650
4.300	2.849	0.6930	1.780	0.7054E-02	0.9299E-02	1.276	0.5342E-07	1.314
4.350	1.044	1.210	0.7177E-01	0.4809E-01	0.1873E-01	3.207	0.2626E-07	0.9983
4.350	2.994	0.6971	1.838	0.7407E-02	0.9477E-02	1.298	0.5013E-07	1.357
4.400	1.129	1.204	0.8114E-01	0.4765E-01	0.1875E-01	3.184	0.2536E-07	1.035
4.400	3.157	0.7015	1.903	0.7780E-02	0.9664E-02	1.320	0.4690E-07	1.405
4.450	1.226	1.198	0.9213E-01	0.4720E-01	0.1877E-01	3.159	0.2442E-07	1.077
4.450	3.344	0.7060	1.977	0.8174E-02	0.9862E-02	1.343	0.4373E-07	1.460
4.500	1.338	1.191	0.1051	0.4672E-01	0.1879E-01	3.133	0.2343E-07	1.124
4.500	3.559	0.7109	2.062	0.8593E-02	0.1007E-01	1.367	0.4059E-07	1.523
4.550	1.466	1.183	0.1207	0.4622E-01	0.1881E-01	3.105	0.2240E-07	1.178
4.550	3.810	0.7159	2.159	0.9039E-02	0.1030E-01	1.392	0.3750E-07	1.595
4.600	1.617	1.175	0.1395	0.4570E-01	0.1883E-01	3.076	0.2132E-07	1.240
4.600	4.106	0.7213	2.274	0.9515E-02	0.1054E-01	1.418	0.3443E-07	1.681
4.650	1.797	1.165	0.1626	0.4514E-01	0.1885E-01	3.045	0.2019E-07	1.312
4.650	4.461	0.7271	2.409	0.1003E-01	0.1080E-01	1.444	0.3139E-07	1.783
4.700	2.013	1.155	0.1914	0.4455E-01	0.1888E-01	3.012	0.1899E-07	1.398
4.700	4.895	0.7332	2.573	0.1058E-01	0.1109E-01	1.472	0.2836E-07	1.907
4.750	2.279	1.144	0.2279	0.4392E-01	0.1891E-01	2.977	0.1772E-07	1.502
4.750	5.436	0.7337	2.774	0.1118E-01	0.1141E-01	1.501	0.2534E-07	2.060
4.800	2.613	1.132	0.2753	0.4324E-01	0.1894E-01	2.940	0.1637E-07	1.630
4.800	6.130	0.7468	3.029	0.1184E-01	0.1177E-01	1.533	0.2232E-07	2.256
4.850	3.044	1.119	0.3388	0.4250E-01	0.1899E-01	2.899	0.1493E-07	1.793
4.850	7.051	0.7545	3.361	0.1257E-01	0.1218E-01	1.566	0.1929E-07	2.512
4.900	3.622	1.104	0.4268	0.4169E-01	0.1905E-01	2.855	0.1339E-07	2.006
4.900	8.332	0.7630	3.815	0.1339E-01	0.1266E-01	1.602	0.1624E-07	2.866
4.950	4.433	1.087	0.5552	0.4079E-01	0.1912E-01	2.807	0.1175E-07	2.298
4.950	10.24	0.7725	4.476	0.1433E-01	0.1323E-01	1.643	0.1317E-07	3.385
5.000	5.645	1.068	0.7550	0.3977E-01	0.1923E-01	2.752	0.9970E-08	2.722
5.000	13.37	0.7835	5.535	0.1545E-01	0.1397E-01	1.689	0.1008E-07	4.221
5.050	7.630	1.046	1.097	0.3857E-01	0.1940E-01	2.689	0.8057E-08	3.392
5.050	19.53	0.7967	7.550	0.1686E-01	0.1502E-01	1.744	0.6929E-08	5.814
5.100	11.37	1.021	1.777	0.3710E-01	0.1968E-01	2.613	0.6006E-08	4.595
5.100	38.04	0.8145	13.37	0.1885E-01	0.1694E-01	1.820	0.3654E-08	10.30

APPENDIX B. Properties of Fluid Helium

Table Format

All tabulated values are in SI units.

The user will note the single characters M, L, V, 1, 2, or 3 at the far left-hand margin of some tables. The meanings are as follows:

M denotes a point on the melting line

L denotes saturated liquid

V denotes saturated vapor

1 denotes temperature = $T_\lambda \pm 10^{-1}$ K

2 denotes temperature = $T_\lambda \pm 10^{-2}$ K

3 denotes temperature = $T_\lambda \pm 10^{-3}$ K

where T_λ is the lambda line temperature at the given pressure, and is equal to the average of the two temperatures denoted "3".

When labeled with "1", "2", or "3", the tabulated properties have been calculated at precisely the temperatures defined above, to an accuracy of 10^{-5} K or better; these precise temperatures could differ by up to 0.0005 K from the tabulated temperatures, which are rounded off to the nearest 0.001 K.

PRESSURE = 0.010 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
0.8000	145.3	0.4140E-01	0.1884E-02	0.7069E-01	0.4682E-02	0.2240E-01	0.2241E-01	238.4
	1.000	145.3	0.3312E-01	0.1260E-01	0.8141E-01	0.1633E-01	0.1003	238.7
	1.200	145.3	0.2760E-01	0.5129E-01	0.1201	0.5100E-01	0.3180	238.4
	1.400	145.4	0.2364E-01	0.1561	0.2249	0.1309	0.7801	237.3
	1.600	145.4	0.2068E-01	0.3875	0.4562	0.2841	1.603	235.4
	1.800	145.6	0.1837E-01	0.8315	0.9002	0.5440	2.936	232.4
	2.000	145.8	0.1651E-01	1.622	1.690	0.9582	5.181	227.0
	2.076	145.9	0.1589E-01	2.070	2.138	1.178	6.616	223.9
2	2.166	146.2	0.1520E-01	2.803	2.872	1.523	10.67	219.3
3	2.175	146.2	0.1513E-01	2.909	2.978	1.572	13.54	218.6
3	2.177	146.3	0.1512E-01	2.934	3.003	1.583	8.276	218.8
2	2.186	146.3	0.1505E-01	2.990	3.058	1.609	5.217	219.5
1	2.276	146.0	0.1448E-01	3.305	3.374	1.751	2.769	221.3
	2.400	145.5	0.1378E-01	3.620	3.689	1.885	2.250	222.2
L	2.489	145.1	0.1334E-01	3.826	3.894	1.970	2.117	222.1
V	2.489	2.129	0.9088	22.26	26.96	11.20	3.495	87.34
	2.700	1.924	0.9269	23.06	28.25	11.70	3.371	92.22
	3.000	1.699	0.9444	24.12	30.00	12.31	3.267	98.45
	3.300	1.526	0.9561	25.14	31.69	12.85	3.208	104.1
	3.600	1.386	0.9645	26.13	33.34	13.33	3.173	109.4
	3.900	1.272	0.9707	27.11	34.97	13.76	3.152	114.3
	4.200	1.175	0.9754	28.07	36.58	14.16	3.139	119.0
	4.500	1.093	0.9791	29.03	38.19	14.53	3.131	123.5
	4.800	1.021	0.9821	29.99	39.78	14.87	3.126	127.8
	5.000	0.9787	0.9837	30.62	40.84	15.09	3.123	130.5
	5.100	0.9588	0.9845	30.94	41.37	15.19	3.122	131.9
	5.300	0.9214	0.9859	31.57	42.43	15.39	3.120	134.5
	5.500	0.8868	0.9871	32.21	43.48	15.59	3.119	137.2
	6.000	0.8109	0.9895	33.78	46.12	16.05	3.117	143.5
	6.500	0.7471	0.9914	35.36	48.74	16.47	3.116	149.5
	7.000	0.6927	0.9928	36.93	51.36	16.86	3.116	155.2
	8.000	0.6048	0.9949	40.06	56.60	17.56	3.116	166.1
	9.000	0.5369	0.9963	43.19	61.82	18.17	3.116	176.3
	10.00	0.4827	0.9973	46.32	67.04	18.72	3.116	186.0
	12.00	0.4018	0.9985	52.57	77.46	19.67	3.116	203.8
	15.00	0.3211	0.9994	61.94	93.08	20.83	3.116	227.9
	20.00	0.2407	0.9999	77.54	119.1	22.33	3.116	263.2
	25.00	0.1925	1.000	93.13	145.1	23.49	3.116	294.3
	30.00	0.1604	1.000	108.7	171.0	24.44	3.116	322.4
	40.00	0.1203	1.000	139.9	223.0	25.93	3.116	372.3
	50.00	0.9626E-01	1.000	171.1	274.9	27.09	3.116	416.2
	60.00	0.8022E-01	1.000	202.2	326.9	28.04	3.116	455.9
	80.00	0.6017E-01	1.000	264.5	430.7	29.53	3.116	526.4
	100.0	0.4813E-01	1.000	326.9	534.6	30.69	3.116	588.5
	120.0	0.4011E-01	1.000	389.2	638.5	31.64	3.116	644.6
	140.0	0.3438E-01	1.000	451.5	742.3	32.44	3.116	696.3
	160.0	0.3009E-01	1.000	513.8	846.2	33.13	3.116	744.3
	180.0	0.2674E-01	1.000	576.1	950.1	33.74	3.116	789.5
	200.0	0.2407E-01	1.000	638.4	1054.	34.29	3.116	832.2
	220.0	0.2188E-01	1.000	700.8	1158.	34.78	3.116	872.8
	240.0	0.2006E-01	1.000	763.1	1262.	35.24	3.116	911.6
	260.0	0.1851E-01	1.000	825.4	1366.	35.65	3.116	948.8
	280.0	0.1719E-01	1.000	887.7	1469.	36.04	3.116	984.6
	300.0	0.1605E-01	1.000	950.0	1573.	36.39	3.116	1019.
	350.0	0.1375E-01	1.000	1106.	1833.	37.20	3.116	1101.
	400.0	0.1203E-01	1.000	1262.	2093.	37.89	3.116	1177.
	500.0	0.9628E-02	1.000	1573.	2612.	39.05	3.116	1316.
	600.0	0.8023E-02	1.000	1885.	3131.	39.99	3.116	1441.
	700.0	0.6877E-02	1.000	2196.	3650.	40.79	3.116	1557.
	800.0	0.6018E-02	1.000	2508.	4170.	41.49	3.116	1664.
	900.0	0.5349E-02	1.000	2820.	4689.	42.10	3.116	1765.
	1000.	0.4814E-02	1.000	3131.	5208.	42.65	3.116	1861.
	1100.	0.4376E-02	1.000	3443.	5728.	43.14	3.116	1951.
	1200.	0.4012E-02	1.000	3754.	6247.	43.59	3.116	2038.
	1300.	0.3703E-02	1.000	4066.	6766.	44.01	3.116	2121.
	1400.	0.3439E-02	1.000	4377.	7286.	44.39	3.116	2202.
	1500.	0.3209E-02	1.000	4689.	7805.	44.75	3.116	2279.

TEMP [K]	PRESSURE = 0.010			[MPa]		CONDCT [W/m*K]	VISC [μPa*s]	THDIFF [m ² /s]	PRANDTL
	$\left(\frac{T}{v} \frac{\partial v}{\partial T}\right)_P$	$\left(\frac{v}{C_v} \frac{\partial P}{\partial T}\right)_v$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1					
0.8000	0.3703E-03	1.174	0.1211E-02	0.5729E-01					
1.000	0.1862E-03	0.1057	0.1207E-02	0.5728E-01					
1.200	-0.7472E-03	-0.1113	0.1211E-02	0.5729E-01					
1.400	-0.2546E-02	-0.1312	0.1222E-02	0.5730E-01					
1.600	-0.5318E-02	-0.1149	0.1241E-02	0.5733E-01					
1.800	-0.9819E-02	-0.1003	0.1273E-02	0.5738E-01					
2.000	-0.2050E-01	-0.1017	0.1334E-02	0.5747E-01					
2.076	-0.3037E-01	-0.1105	0.1371E-02	0.5752E-01					
2.166	-0.7095E-01	-0.1461	0.1437E-02	0.5763E-01					
2.175	-0.1083	-0.1725	0.1458E-02	0.5765E-01					
2.177	-0.3563E-01	-0.9430E-01	0.1434E-02	0.5765E-01					
2.186	0.6706E-02	0.2832E-01	0.1419E-02	0.5766E-01					
2.276	0.5317E-01	0.4045	0.1428E-02	0.5757E-01					
2.400	0.7949E-01	0.6890	0.1468E-02	0.5736E-01					
2.489	0.9651E-01	0.8361	0.1510E-02	0.5718E-01					
2.489	1.277	0.6237	1.107	0.8248E-03					
2.700	1.209	0.6378	1.083	0.7454E-03					
3.000	1.150	0.6505	1.061	0.6584E-03					
3.300	1.113	0.6580	1.047	0.5912E-03					
3.600	1.089	0.6625	1.038	0.5372E-03	0.6961E-02	0.9439	0.9192E-05	0.7407	
3.900	1.072	0.6652	1.031	0.4927E-03	0.7546E-02	1.020	0.1099E-05	0.7301	
4.200	1.060	0.6669	1.026	0.4553E-03	0.8121E-02	1.094	0.1290E-05	0.7220	
4.500	1.050	0.6679	1.022	0.4233E-03	0.8683E-02	1.166	0.1492E-05	0.7156	
4.800	1.043	0.6685	1.018	0.3957E-03	0.9232E-02	1.237	0.1704E-05	0.7107	
5.000	1.039	0.6688	1.017	0.3792E-03	0.9589E-02	1.282	0.1851E-05	0.7080	
5.100	1.037	0.6689	1.016	0.3715E-03	0.9765E-02	1.305	0.1926E-05	0.7068	
5.300	1.034	0.6691	1.014	0.3570E-03	0.1011E-01	1.350	0.2079E-05	0.7047	
5.500	1.031	0.6692	1.013	0.3436E-03	0.1045E-01	1.394	0.2235E-05	0.7030	
6.000	1.026	0.6693	1.011	0.3142E-03	0.1127E-01	1.501	0.2644E-05	0.7000	
6.500	1.022	0.6692	1.008	0.2894E-03	0.1205E-01	1.604	0.3074E-05	0.6983	
7.000	1.018	0.6691	1.007	0.2684E-03	0.1279E-01	1.703	0.3525E-05	0.6976	
8.000	1.013	0.6686	1.005	0.2343E-03	0.1418E-01	1.893	0.4484E-05	0.6980	
9.000	1.010	0.6686	1.004	0.2080E-03	0.1546E-01	2.072	0.5515E-05	0.6997	
10.00	1.008	0.6684	1.003	0.1870E-03	0.1665E-01	2.241	0.6612E-05	0.7020	
12.00	1.005	0.6686	1.002	0.1557E-03	0.1883E-01	2.555	0.8995E-05	0.7069	
15.00	1.003	0.6677	1.001	0.1244E-03	0.2175E-01	2.978	0.1302E-04	0.7126	
20.00	1.001	0.6674	1.000	0.9326E-04	0.2608E-01	3.598	0.2084E-04	0.7172	
25.00	1.001	0.6672	0.9998	0.7459E-04	0.2999E-01	4.140	0.2997E-04	0.7175	
30.00	1.000	0.6671	0.9998	0.6215E-04	0.3362E-01	4.630	0.4034E-04	0.7154	
40.00	1.000	0.6666	0.9997	0.4661E-04	0.4036E-01	5.504	0.6458E-04	0.7083	
50.00	0.9999	0.6666	0.9998	0.3729E-04	0.4660E-01	6.284	0.9321E-04	0.7003	
60.00	0.9999	0.6666	0.9998	0.3108E-04	0.5248E-01	7.002	0.1260E-03	0.6929	
80.00	0.9999	0.6666	0.9998	0.2331E-04	0.6344E-01	8.317	0.2030E-03	0.6808	
100.0	0.9999	0.6667	0.9999	0.1865E-04	0.7364E-01	9.531	0.2946E-03	0.6722	
120.0	0.9999	0.6667	0.9999	0.1554E-04	0.8326E-01	10.68	0.3997E-03	0.6663	
140.0	0.9999	0.6667	0.9999	0.1332E-04	0.9243E-01	11.79	0.5176E-03	0.6625	
160.0	0.9999	0.6667	0.9999	0.1166E-04	0.1012	12.87	0.8479E-03	0.6604	
180.0	0.9999	0.6667	0.9999	0.1036E-04	0.1097	13.93	0.7899E-03	0.6593	
200.0	0.9999	0.6666	0.9999	0.9324E-05	0.1179	14.99	0.9433E-03	0.6603	
220.0	0.9999	0.6667	0.9999	0.8477E-05	0.1259	16.03	0.1108E-02	0.6612	
240.0	0.9999	0.6666	0.9999	0.7771E-05	0.1337	17.03	0.1283E-02	0.6618	
260.0	0.9999	0.6667	0.9999	0.7173E-05	0.1412	18.01	0.1469E-02	0.6624	
280.0	0.9999	0.6666	1.000	0.6660E-05	0.1486	18.97	0.1665E-02	0.6629	
300.0	0.9999	0.6666	1.000	0.6216E-05	0.1559	19.91	0.1871E-02	0.6633	
350.0	1.000	0.6666	1.000	0.5328E-05	0.1735	22.18	0.2429E-02	0.6641	
400.0	1.000	0.6666	1.000	0.4662E-05	0.1903	24.35	0.3045E-02	0.6646	
500.0	1.000	0.6666	1.000	0.3730E-05	0.2222	28.47	0.4445E-02	0.6653	
600.0	1.000	0.6666	1.000	0.3108E-05	0.2523	32.35	0.6056E-02	0.6657	
700.0	1.000	0.6666	1.000	0.2664E-05	0.2810	36.03	0.7868E-02	0.6659	
800.0	1.000	0.6666	1.000	0.2331E-05	0.3085	39.56	0.9871E-02	0.6661	
900.0	1.000	0.6666	1.000	0.2072E-05	0.3349	42.96	0.1206E-01	0.6661	
1000.	1.000	0.6666	1.000	0.1865E-05	0.3605	46.25	0.1442E-01	0.6662	
1100.	1.000	0.6666	1.000	0.1695E-05	0.3854	49.44	0.1696E-01	0.6662	
1200.	1.000	0.6666	1.000	0.1554E-05	0.4096	52.55	0.1956E-01	0.6662	
1300.	1.000	0.6666	1.000	0.1435E-05	0.4332	55.58	0.2253E-01	0.6661	
1400.	1.000	0.6666	1.000	0.1332E-05	0.4563	58.53	0.2556E-01	0.6661	
1500.	1.000	0.6666	1.000	0.1243E-05	0.4789	61.43	0.2874E-01	0.6661	

PRESSURE = 0.020 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	145.5	0.8271E-01	0.1982E-02	0.1394	0.4649E-02	0.2239E-01	0.2240E-01	239.0
1.000	145.5	0.6617E-01	0.1271E-01	0.1502	0.1632E-01	0.1005	0.1006	239.3
1.200	145.5	0.5514E-01	0.5146E-01	0.1889	0.5104E-01	0.3185	0.3185	239.1
1.400	145.5	0.4724E-01	0.1564	0.2938	0.1310	0.7807	0.7810	238.2
1.600	145.6	0.4132E-01	0.3880	0.5253	0.2844	1.604	1.605	236.5
1.800	145.8	0.3669E-01	0.8323	0.9695	0.5444	2.938	2.941	233.4
2.000	146.0	0.3288E-01	1.623	1.760	0.9589	5.185	5.197	227.7
1 2.075	146.1	0.3175E-01	2.066	2.203	1.176	6.605	6.628	224.7
2 2.165	146.4	0.3037E-01	2.799	2.935	1.521	10.65	10.77	220.2
3 2.174	146.5	0.3023E-01	2.905	3.041	1.570	13.50	13.77	219.4
3 2.176	146.5	0.3020E-01	2.928	3.066	1.581	8.255	8.284	219.7
2 2.185	146.5	0.3008E-01	2.985	3.121	1.607	5.204	5.205	220.4
1 2.275	146.3	0.2893E-01	3.298	3.436	1.748	2.761	2.819	222.2
2 2.400	145.7	0.2753E-01	3.615	3.752	1.883	2.241	2.363	223.1
2.700	143.9	0.2478E-01	4.300	4.439	2.153	2.045	2.345	219.2
L 2.881	142.4	0.2347E-01	4.731	4.872	2.308	2.032	2.467	216.1
V 2.881	3.839	0.8706	23.11	28.32	10.42	3.470	6.526	91.75
3.000	3.631	0.8840	23.58	29.09	10.68	3.405	6.325	94.61
3.300	3.208	0.9094	24.69	30.93	11.27	3.293	5.978	101.1
3.600	2.884	0.9272	25.75	32.69	11.78	3.227	5.767	107.0
3.900	2.626	0.9402	26.78	34.39	12.23	3.187	5.631	112.3
4.200	2.413	0.9501	27.78	36.07	12.65	3.161	5.538	117.4
4.500	2.234	0.9577	28.77	37.72	13.03	3.145	5.473	122.1
4.800	2.081	0.9638	29.74	39.35	13.38	3.135	5.426	126.6
5.000	1.991	0.9672	30.39	40.44	13.60	3.130	5.401	129.4
5.100	1.949	0.9687	30.71	40.98	13.71	3.128	5.391	130.9
5.300	1.870	0.9715	31.36	42.05	13.91	3.125	5.372	133.6
5.500	1.797	0.9739	32.00	43.13	14.11	3.122	5.356	136.3
6.000	1.639	0.9789	33.59	45.79	14.58	3.118	5.324	142.8
6.500	1.507	0.9827	35.18	48.45	15.00	3.117	5.302	148.9
7.000	1.396	0.9856	36.77	51.10	15.39	3.116	5.286	154.8
8.000	1.216	0.9898	39.92	56.37	16.10	3.115	5.263	165.8
9.000	1.078	0.9926	43.07	61.63	16.72	3.115	5.248	176.2
10.00	0.9681	0.9946	46.21	66.87	17.27	3.116	5.238	185.8
12.00	0.8048	0.9969	52.48	77.33	18.22	3.116	5.224	203.8
15.00	0.6427	0.9987	61.87	92.98	19.39	3.117	5.213	228.0
20.00	0.4815	0.9999	77.49	119.0	20.89	3.117	5.205	263.4
25.00	0.3850	1.000	93.09	145.0	22.05	3.117	5.200	294.4
30.00	0.3208	1.000	108.7	171.0	23.00	3.117	5.198	322.5
40.00	0.2406	1.001	139.9	223.0	24.48	3.116	5.196	372.4
50.00	0.1925	1.000	171.0	275.0	25.65	3.116	5.195	416.3
60.00	0.1604	1.000	202.2	326.9	26.60	3.116	5.194	456.0
80.00	0.1203	1.000	264.5	430.8	28.09	3.116	5.194	526.5
100.0	0.9625E-01	1.000	326.9	534.6	29.25	3.116	5.193	588.6
120.0	0.8022E-01	1.000	389.2	638.5	30.20	3.116	5.193	644.7
140.0	0.6876E-01	1.000	451.5	742.4	31.00	3.116	5.193	696.3
160.0	0.6017E-01	1.000	513.8	846.2	31.69	3.116	5.193	744.4
180.0	0.5348E-01	1.000	576.1	950.1	32.30	3.116	5.193	789.5
200.0	0.4813E-01	1.000	638.4	1054.	32.85	3.116	5.193	832.2
220.0	0.4376E-01	1.000	700.8	1158.	33.34	3.116	5.193	872.8
240.0	0.4011E-01	1.000	763.1	1262.	33.80	3.116	5.193	911.6
260.0	0.3703E-01	1.000	825.4	1366.	34.21	3.116	5.193	948.8
280.0	0.3438E-01	1.000	887.7	1469.	34.60	3.116	5.193	984.7
300.0	0.3209E-01	1.000	950.0	1573.	34.95	3.116	5.193	1019.
350.0	0.2751E-01	1.000	1106.	1833.	35.76	3.116	5.193	1101.
400.0	0.2407E-01	1.000	1262.	2093.	36.45	3.116	5.193	1177.
500.0	0.1926E-01	1.000	1573.	2612.	37.61	3.116	5.193	1316.
600.0	0.1605E-01	1.000	1885.	3131.	38.55	3.116	5.193	1441.
700.0	0.1375E-01	1.000	2196.	3650.	39.36	3.116	5.193	1557.
800.0	0.1203E-01	1.000	2508.	4170.	40.05	3.116	5.193	1664.
900.0	0.1070E-01	1.000	2820.	4689.	40.66	3.116	5.193	1765.
1000.	0.9628E-02	1.000	3131.	5208.	41.21	3.116	5.193	1861.
1100.	0.8753E-02	1.000	3443.	5728.	41.70	3.116	5.193	1952.
1200.	0.8023E-02	1.000	3754.	6247.	42.15	3.116	5.193	2038.
1300.	0.7406E-02	1.000	4066.	6766.	42.57	3.116	5.193	2122.
1400.	0.6877E-02	1.000	4377.	7286.	42.95	3.116	5.193	2202.
1500.	0.6419E-02	1.000	4689.	7805.	43.31	3.116	5.193	2279.

TEMP [K]	PRESSURE = 0.020				[MPa]		CONDCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial E}{\partial T}\right)_V$	$\left(\frac{E}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1						
0.8000	0.3960E-03	1.262	0.2408E-02	0.5736E-01						
1.000	0.1912E-03	0.1089	0.2400E-02	0.5735E-01						
1.200	-0.7852E-03	-0.1175	0.2404E-02	0.5736E-01						
1.400	-0.2643E-02	-0.1372	0.2421E-02	0.5737E-01						
1.600	-0.5506E-02	-0.1199	0.2456E-02	0.5740E-01						
1.800	-0.1021E-01	-0.1050	0.2521E-02	0.5745E-01						
2.000	-0.2136E-01	-0.1066	0.2647E-02	0.5754E-01						
2.075	-0.3137E-01	-0.1151	0.2721E-02	0.5760E-01						
2.165	-0.7223E-01	-0.1502	0.2849E-02	0.5771E-01						
2.174	-0.1098	-0.1766	0.2891E-02	0.5773E-01						
2.176	-0.3651E-01	-0.9772E-01	0.2839E-02	0.5774E-01						
2.185	0.6018E-02	0.2571E-01	0.2810E-02	0.5774E-01						
2.275	0.5241E-01	0.4035	0.2828E-02	0.5765E-01						
2.400	0.7852E-01	0.6894	0.2906E-02	0.5745E-01						
2.700	0.1390	1.055	0.3317E-02	0.5671E-01						
2.881	0.1805	1.186	0.3650E-02	0.5610E-01						
2.881	1.403	0.6281	1.164	0.1488E-02						
3.000	1.348	0.6360	1.143	0.1407E-02						
3.300	1.254	0.6500	1.106	0.1243E-02						
3.600	1.195	0.6586	1.083	0.1118E-02	0.7027E-02	0.9557	0.4225E-06	0.7843		
3.900	1.155	0.6639	1.066	0.1018E-02	0.7605E-02	1.032	0.5144E-06	0.7638		
4.200	1.127	0.6672	1.054	0.9350E-03	0.8175E-02	1.105	0.6118E-06	0.7489		
4.500	1.106	0.6692	1.045	0.8657E-03	0.8734E-02	1.177	0.7142E-06	0.7377		
4.800	1.090	0.6705	1.038	0.8065E-03	0.9278E-02	1.247	0.8216E-06	0.7292		
5.000	1.082	0.6710	1.035	0.7715E-03	0.9633E-02	1.292	0.8958E-06	0.7247		
5.100	1.078	0.6712	1.033	0.7552E-03	0.9808E-02	1.315	0.9336E-06	0.7227		
5.300	1.071	0.6715	1.030	0.7246E-03	0.1015E-01	1.359	0.1011E-05	0.7192		
5.500	1.065	0.6717	1.027	0.6965E-03	0.1049E-01	1.403	0.1090E-05	0.7163		
6.000	1.053	0.6719	1.022	0.6352E-03	0.1131E-01	1.510	0.1295E-05	0.7109		
6.500	1.044	0.6718	1.018	0.5841E-03	0.1208E-01	1.612	0.1512E-05	0.7075		
7.000	1.037	0.6716	1.015	0.5407E-03	0.1282E-01	1.711	0.1738E-05	0.7055		
8.000	1.027	0.6711	1.010	0.4711E-03	0.1420E-01	1.900	0.2219E-05	0.7041		
9.000	1.021	0.6706	1.007	0.4176E-03	0.1548E-01	2.078	0.2736E-05	0.7046		
10.00	1.016	0.6701	1.005	0.3751E-03	0.1666E-01	2.246	0.3287E-05	0.7061		
12.00	1.010	0.6694	1.003	0.3118E-03	0.1884E-01	2.560	0.4481E-05	0.7097		
15.00	1.006	0.6687	1.001	0.2490E-03	0.2177E-01	2.983	0.6496E-05	0.7145		
20.00	1.003	0.6680	1.000	0.1865E-03	0.2609E-01	3.600	0.1041E-04	0.7183		
25.00	1.001	0.6677	0.9997	0.1492E-03	0.2999E-01	4.142	0.1498E-04	0.7182		
30.00	1.001	0.6675	0.9995	0.1243E-03	0.3363E-01	4.632	0.2017E-04	0.7159		
40.00	1.000	0.6672	0.9995	0.9321E-04	0.4037E-01	5.506	0.3230E-04	0.7086		
50.00	0.9998	0.6671	0.9995	0.7457E-04	0.4661E-01	6.285	0.4662E-04	0.7005		
60.00	0.9997	0.6670	0.9996	0.6214E-04	0.5249E-01	7.003	0.6300E-04	0.6930		
80.00	0.9997	0.6669	0.9996	0.4661E-04	0.6345E-01	8.319	0.1016E-03	0.6809		
100.0	0.9997	0.6668	0.9997	0.3729E-04	0.7365E-01	9.533	0.1473E-03	0.6722		
120.0	0.9998	0.6668	0.9998	0.3108E-04	0.8327E-01	10.68	0.1999E-03	0.6663		
140.0	0.9998	0.6668	0.9998	0.2664E-04	0.9243E-01	11.79	0.2589E-03	0.6625		
160.0	0.9998	0.6668	0.9998	0.2331E-04	0.1012	12.87	0.3240E-03	0.6604		
180.0	0.9998	0.6667	0.9998	0.2072E-04	0.1097	13.93	0.3950E-03	0.6593		
200.0	0.9998	0.6667	0.9999	0.1865E-04	0.1179	14.99	0.4717E-03	0.6603		
220.0	0.9999	0.6667	0.9999	0.1695E-04	0.1259	16.03	0.5540E-03	0.6611		
240.0	0.9999	0.6667	0.9999	0.1554E-04	0.1337	17.03	0.6416E-03	0.6618		
260.0	0.9999	0.6667	0.9999	0.1434E-04	0.1412	18.02	0.7345E-03	0.6624		
280.0	0.9999	0.6667	0.9999	0.1332E-04	0.1487	18.97	0.8325E-03	0.6629		
300.0	0.9999	0.6667	0.9999	0.1243E-04	0.1559	19.91	0.9356E-03	0.6633		
350.0	0.9999	0.6667	0.9999	0.1066E-04	0.1735	22.18	0.1214E-02	0.6640		
400.0	0.9999	0.6667	0.9999	0.9325E-05	0.1903	24.35	0.1523E-02	0.6646		
500.0	0.9999	0.6667	0.9999	0.7460E-05	0.2222	28.47	0.2223E-02	0.6653		
600.0	1.000	0.6667	1.000	0.6217E-05	0.2523	32.35	0.3028E-02	0.6657		
700.0	1.000	0.6667	1.000	0.5328E-05	0.2810	36.03	0.3934E-02	0.6659		
800.0	1.000	0.6667	1.000	0.4662E-05	0.3085	39.56	0.4936E-02	0.6660		
900.0	1.000	0.6667	1.000	0.4144E-05	0.3349	42.96	0.6029E-02	0.6661		
1000.	1.000	0.6667	1.000	0.3730E-05	0.3606	46.25	0.7211E-02	0.6661		
1100.	1.000	0.6667	1.000	0.3391E-05	0.3854	49.44	0.8479E-02	0.6661		
1200.	1.000	0.6667	1.000	0.3108E-05	0.4096	52.54	0.9831E-02	0.6661		
1300.	1.000	0.6667	1.000	0.2869E-05	0.4333	55.57	0.1126E-01	0.6661		
1400.	1.000	0.6667	1.000	0.2664E-05	0.4563	58.53	0.1278E-01	0.6661		
1500.	1.000	0.6667	1.000	0.2487E-05	0.4790	61.43	0.1437E-01	0.6660		

PRESSURE = 0.040 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	CP [J/g·K]	V SOUND [m/s]
0.8000	145.9	0.1650	0.2417E-02	0.2766	0.4578E-02	0.2239E-01	0.2240E-01	240.3
1.000	145.9	0.1320	0.1317E-01	0.2874	0.1629E-01	0.1010	0.1010	240.5
1.200	145.9	0.1100	0.5207E-01	0.3263	0.5114E-01	0.3194	0.3194	240.6
1.400	145.9	0.9427E-01	0.1573	0.4314	0.1313	0.7821	0.7824	240.1
1.600	146.0	0.8244E-01	0.3893	0.6633	0.2848	1.605	1.607	238.6
1.800	146.1	0.7321E-01	0.8343	1.108	0.5452	2.941	2.945	235.3
2.000	146.4	0.6578E-01	1.627	1.900	0.9605	5.185	5.208	229.2
1.2074	146.5	0.6338E-01	2.059	2.332	1.172	6.582	6.609	226.2
2.2164	146.8	0.6062E-01	2.790	3.062	1.517	10.61	10.73	221.9
3.2173	146.9	0.6035E-01	2.895	3.168	1.565	13.44	13.72	221.2
3.2175	146.9	0.6029E-01	2.920	3.192	1.577	8.214	8.247	221.6
2.2184	146.9	0.6004E-01	2.975	3.248	1.602	5.179	5.179	222.3
1.2274	146.7	0.5774E-01	3.288	3.561	1.743	2.745	2.801	224.0
2.4400	146.2	0.5489E-01	3.605	3.878	1.878	2.223	2.341	225.0
2.700	144.4	0.4940E-01	4.282	4.559	2.146	2.033	2.322	221.4
3.000	141.8	0.4527E-01	5.002	5.285	2.401	2.051	2.574	216.4
3.300	138.5	0.4213E-01	5.837	6.126	2.667	2.226	3.054	208.4
L 3.369	137.6	0.4153E-01	6.050	6.341	2.732	2.266	3.179	206.1
V 3.369	7.019	0.8144	23.98	29.68	9.645	3.402	6.977	95.91
3.600	6.329	0.8452	24.92	31.24	10.09	3.319	6.551	101.6
3.900	5.645	0.8747	26.06	33.15	10.60	3.246	6.196	108.0
4.200	5.115	0.8963	27.15	34.97	11.05	3.200	5.967	113.8
4.500	4.688	0.9128	28.20	36.74	11.46	3.170	5.811	119.1
4.800	4.333	0.9258	29.23	38.46	11.83	3.151	5.699	124.1
5.000	4.128	0.9329	29.91	39.60	12.06	3.142	5.642	127.2
5.100	4.033	0.9361	30.24	40.16	12.17	3.138	5.617	128.7
5.300	3.857	0.9419	30.91	41.28	12.39	3.132	5.574	131.7
5.500	3.697	0.9470	31.57	42.39	12.59	3.127	5.538	134.6
6.000	3.353	0.9573	33.21	45.14	13.07	3.120	5.469	141.4
6.500	3.070	0.9651	34.83	47.86	13.51	3.117	5.420	147.8
7.000	2.833	0.9711	36.44	50.56	13.91	3.115	5.384	153.9
8.000	2.457	0.9796	39.54	55.92	14.62	3.114	5.336	165.3
9.000	2.172	0.9852	42.82	61.24	15.25	3.115	5.305	175.8
10.00	1.947	0.9891	45.99	66.53	15.81	3.116	5.283	185.6
12.00	1.615	0.9939	52.30	77.07	16.77	3.117	5.256	203.8
15.00	1.287	0.9975	61.72	92.80	17.94	3.118	5.234	228.1
20.00	0.9630	0.9998	77.38	118.9	19.44	3.118	5.216	263.6
25.00	0.7698	1.001	93.01	145.0	20.60	3.118	5.208	294.7
30.00	0.6413	1.001	108.6	171.0	21.55	3.117	5.203	322.8
40.00	0.4809	1.001	139.8	223.0	23.05	3.117	5.198	372.6
50.00	0.3848	1.001	171.0	275.0	24.21	3.117	5.196	416.5
60.00	0.3207	1.001	202.2	326.9	25.16	3.117	5.195	456.2
80.00	0.2405	1.001	264.5	430.8	26.65	3.116	5.194	526.7
100.0	0.1925	1.001	326.9	534.7	27.81	3.116	5.194	588.7
120.0	0.1604	1.000	389.2	638.6	28.76	3.116	5.193	644.9
140.0	0.1375	1.000	451.5	742.4	29.56	3.116	5.193	696.5
160.0	0.1203	1.000	513.8	846.3	30.25	3.116	5.193	744.5
180.0	0.1069	1.000	576.1	950.2	30.86	3.116	5.193	789.6
200.0	0.9625E-01	1.000	638.5	1054.	31.41	3.116	5.193	832.3
220.0	0.8751E-01	1.000	700.8	1158.	31.90	3.116	5.193	872.9
240.0	0.8022E-01	1.000	763.1	1262.	32.36	3.116	5.193	911.7
260.0	0.7405E-01	1.000	825.4	1366.	32.77	3.116	5.193	948.9
280.0	0.6876E-01	1.000	887.7	1469.	33.16	3.116	5.193	984.7
300.0	0.6418E-01	1.000	950.0	1573.	33.52	3.116	5.193	1019.
350.0	0.5501E-01	1.000	1106.	1833.	34.32	3.116	5.193	1101.
400.0	0.4813E-01	1.000	1262.	2093.	35.01	3.116	5.193	1177.
500.0	0.3851E-01	1.000	1573.	2612.	36.17	3.116	5.193	1316.
600.0	0.3209E-01	1.000	1885.	3131.	37.11	3.116	5.193	1441.
700.0	0.2751E-01	1.000	2196.	3651.	37.92	3.116	5.193	1557.
800.0	0.2407E-01	1.000	2508.	4170.	38.61	3.116	5.193	1664.
900.0	0.2139E-01	1.000	2820.	4689.	39.22	3.116	5.193	1765.
1000.	0.1926E-01	1.000	3131.	5208.	39.77	3.116	5.193	1861.
1100.	0.1751E-01	1.000	3443.	5728.	40.26	3.116	5.193	1952.
1200.	0.1605E-01	1.000	3754.	6247.	40.71	3.116	5.193	2038.
1300.	0.1481E-01	1.000	4066.	6766.	41.13	3.116	5.193	2122.
1400.	0.1375E-01	1.000	4377.	7286.	41.51	3.116	5.193	2202.
1500.	0.1284E-01	1.000	4689.	7805.	41.87	3.116	5.193	2279.

TEMP [K]	PRESSURE = 0.040			[MPa]			THERMAL DIFFUSION [m²/s]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial I}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]		
0.8000	0.4337E-03	1.39	0.4753E-02	0.5750E-01				
1.000	0.2098E-03	0.120	0.4741E-02	0.5749E-01				
1.200	-0.8255E-03	-0.124	0.4738E-02	0.5750E-01				
1.400	-0.2793E-02	-0.147	0.4758E-02	0.5751E-01				
1.600	-0.5666E-02	-0.129	0.4817E-02	0.5754E-01				
1.800	-0.1103E-01	-0.115	0.4949E-02	0.5760E-01				
2.000	-0.2311E-01	-0.116	0.5214E-02	0.5770E-01				
2.074	-0.3329E-01	-0.124	0.5358E-02	0.5776E-01				
2.164	-0.7457E-01	-0.158	0.5601E-02	0.5787E-01				
2.173	-0.1125	-0.184	0.5684E-02	0.5789E-01				
2.175	-0.3830E-01	-0.104	0.5571E-02	0.5790E-01				
2.184	0.4623E-02	0.202	0.5512E-02	0.5790E-01				
2.274	0.5094E-01	0.401	0.5544E-02	0.5782E-01				
2.400	0.7668E-01	0.690	0.5693E-02	0.5762E-01				
2.700	0.1349	1.05	0.6456E-02	0.5690E-01				
3.000	0.2051	1.24	0.7558E-02	0.5586E-01				
3.300	0.2937	1.26	0.9119E-02	0.5454E-01				
3.369	0.3188	1.26	0.9597E-02	0.5419E-01				
3.369	1.639	0.641	1.271	0.2721E-02				
3.600	1.492	0.652	1.209	0.2454E-02	0.7183E-02	0.9828	0.1733E-06	0.8963
3.900	1.372	0.662	1.159	0.2188E-02	0.7746E-02	1.057	0.2215E-06	0.8457
4.200	1.293	0.668	1.125	0.1983E-02	0.8304E-02	1.130	0.2721E-06	0.8118
4.500	1.239	0.672	1.102	0.1817E-02	0.8852E-02	1.200	0.3250E-06	0.7878
4.800	1.199	0.674	1.084	0.1680E-02	0.9389E-02	1.269	0.3801E-06	0.7703
5.000	1.178	0.675	1.075	0.1600E-02	0.9738E-02	1.314	0.4181E-06	0.7611
5.100	1.169	0.676	1.071	0.1563E-02	0.9911E-02	1.336	0.4374E-06	0.7572
5.300	1.152	0.676	1.064	0.1495E-02	0.1025E-01	1.380	0.4767E-06	0.7502
5.500	1.139	0.677	1.058	0.1433E-02	0.1058E-01	1.423	0.5169E-06	0.7444
6.000	1.111	0.677	1.046	0.1299E-02	0.1139E-01	1.528	0.6212E-06	0.7336
6.500	1.091	0.677	1.037	0.1190E-02	0.1215E-01	1.629	0.7305E-06	0.7264
7.000	1.077	0.676	1.030	0.1098E-02	0.1289E-01	1.727	0.8449E-06	0.7216
8.000	1.056	0.675	1.021	0.9522E-03	0.1426E-01	1.914	0.1088E-05	0.7162
9.000	1.042	0.674	1.015	0.8415E-03	0.1553E-01	2.090	0.1348E-05	0.7142
10.00	1.033	0.673	1.011	0.7544E-03	0.1671E-01	2.258	0.1624E-05	0.7139
12.00	1.021	0.672	1.006	0.6256E-03	0.1888E-01	2.569	0.2225E-05	0.7153
15.00	1.012	0.670	1.003	0.4987E-03	0.2179E-01	2.991	0.3235E-05	0.7182
20.00	1.005	0.669	1.000	0.3731E-03	0.2611E-01	3.606	0.5198E-05	0.7204
25.00	1.002	0.668	0.9994	0.2982E-03	0.3001E-01	4.147	0.7487E-05	0.7196
30.00	1.001	0.668	0.9991	0.2485E-03	0.3365E-01	4.636	0.1009E-04	0.7168
40.00	0.9999	0.667	0.9990	0.1863E-03	0.4039E-01	5.509	0.1616E-04	0.7091
50.00	0.9995	0.6675	0.9990	0.1491E-03	0.4662E-01	6.289	0.2332E-04	0.7008
60.00	0.9994	0.6673	0.9991	0.1242E-03	0.5250E-01	7.005	0.3152E-04	0.6933
80.00	0.9994	0.6671	0.9993	0.9319E-04	0.6347E-01	8.321	0.5080E-04	0.6810
100.0	0.9995	0.6673	0.9994	0.7456E-04	0.7366E-01	9.535	0.7370E-04	0.6723
120.0	0.9995	0.6669	0.9995	0.6214E-04	0.8328E-01	10.69	0.9998E-04	0.6663
140.0	0.9996	0.6663	0.9996	0.5326E-04	0.9245E-01	11.79	0.1295E-03	0.6625
160.0	0.9996	0.6669	0.9996	0.4661E-04	0.1012	12.87	0.1620E-03	0.6604
180.0	0.9997	0.6668	0.9997	0.4143E-04	0.1097	13.93	0.1976E-03	0.6593
200.0	0.9997	0.6668	0.9997	0.3729E-04	0.1179	15.00	0.2359E-03	0.6603
220.0	0.9997	0.6668	0.9997	0.3390E-04	0.1259	16.03	0.2771E-03	0.6611
240.0	0.9997	0.6668	0.9998	0.3108E-04	0.1337	17.04	0.3209E-03	0.6618
260.0	0.9998	0.6668	0.9998	0.2869E-04	0.1413	18.02	0.3673E-03	0.6623
280.0	0.9998	0.6668	0.9998	0.2664E-04	0.1487	18.98	0.4164E-03	0.6628
300.0	0.9998	0.6668	0.9998	0.2486E-04	0.1559	19.91	0.4679E-03	0.6632
350.0	0.9998	0.6667	0.9998	0.2131E-04	0.1735	22.18	0.6073E-03	0.6640
400.0	0.9998	0.6667	0.9999	0.1865E-04	0.1903	24.35	0.7614E-03	0.6645
500.0	0.9999	0.6667	0.9999	0.1492E-04	0.2223	28.47	0.1111E-02	0.6652
600.0	0.9999	0.6667	0.9999	0.1243E-04	0.2524	32.34	0.1514E-02	0.6656
700.0	0.9999	0.6667	0.9999	0.1066E-04	0.2810	36.03	0.1967E-02	0.6658
800.0	0.9999	0.6667	0.9999	0.9325E-05	0.3085	39.56	0.2468E-02	0.6660
900.0	0.9999	0.6667	0.9999	0.8289E-05	0.3349	42.96	0.3015E-02	0.6660
1000.	0.9999	0.6667	1.0000	0.7460E-05	0.3606	46.25	0.3606E-02	0.6661
1100.	1.0000	0.6667	1.0000	0.6782E-05	0.3854	49.44	0.4240E-02	0.6661
1200.	1.0000	0.6667	1.0000	0.6217E-05	0.4096	52.54	0.4916E-02	0.6661
1300.	1.0000	0.6667	1.0000	0.5738E-05	0.4333	55.57	0.5633E-02	0.6660
1400.	1.0000	0.6667	1.0000	0.5328E-05	0.4564	58.53	0.6389E-02	0.6660
1500.	1.0000	0.6667	1.0000	0.4973E-05	0.4790	61.42	0.7185E-02	0.6660

PRESSURE = 0.060 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	146.2	0.2469	0.3164E-02	0.4135	0.4501E-02	0.2239E-01	0.2240E-01	241.7
1.000	146.2	0.1976	0.1395E-01	0.4244	0.1626E-01	0.1014	0.1014	241.9
1.200	146.2	0.1646	0.5298E-01	0.4634	0.5123E-01	0.3203	0.3203	242.1
1.400	146.2	0.1411	0.1585	0.5688	0.1316	0.7835	0.7839	241.9
1.600	146.3	0.1234	0.3909	0.8010	0.2854	1.607	1.609	240.5
1.800	146.5	0.1095	0.8367	1.246	0.5461	2.945	2.949	237.1
2.000	146.7	0.9842E-01	1.631	2.040	0.9621	5.205	5.222	230.8
1.2.072	146.9	0.9491E-01	2.052	2.461	1.169	6.559	6.589	227.8
2.2.162	147.2	0.9077E-01	2.781	3.189	1.512	10.57	10.70	223.6
3.2.171	147.3	0.9036E-01	2.887	3.294	1.561	13.38	13.68	222.9
3.2.173	147.3	0.9027E-01	2.911	3.319	1.572	8.176	8.213	223.4
2.2.182	147.3	0.8989E-01	2.966	3.374	1.597	5.154	5.154	224.1
1.2.272	147.1	0.8645E-01	3.277	3.685	1.737	2.729	2.783	225.8
2.400	146.6	0.8211E-01	3.595	4.005	1.874	2.206	2.321	228.8
2.700	144.8	0.7387E-01	4.265	4.679	2.139	2.021	2.300	223.6
3.000	142.3	0.6765E-01	4.975	5.397	2.391	2.040	2.547	219.0
3.300	139.1	0.6292E-01	5.797	6.228	2.655	2.216	3.014	211.3
3.600	135.1	0.5940E-01	6.770	7.215	2.941	2.372	3.579	200.6
L.3.710	133.3	0.5839E-01	7.170	7.620	3.052	2.418	3.822	196.0
V.3.710	10.13	0.7686	24.43	30.35	9.168	3.341	7.503	98.00
3.900	9.258	0.8000	25.25	31.73	9.531	3.289	7.024	103.0
4.200	8.215	0.8371	26.46	33.76	10.03	3.230	6.541	109.8
4.500	7.425	0.8645	27.59	35.68	10.47	3.190	6.237	116.0
4.800	6.796	0.8855	28.69	37.51	10.87	3.163	6.031	121.5
5.000	6.441	0.8869	29.39	38.71	11.11	3.151	5.928	124.9
5.100	6.279	0.9020	29.74	39.30	11.23	3.146	5.885	126.5
5.300	5.982	0.9111	30.44	40.47	11.45	3.137	5.809	129.7
5.500	5.714	0.9191	31.12	41.62	11.67	3.131	5.746	132.8
6.000	5.148	0.9351	32.81	44.47	12.16	3.121	5.628	140.0
6.500	4.692	0.9471	34.47	47.26	12.61	3.116	5.548	146.7
7.000	4.315	0.9563	36.11	50.02	13.02	3.114	5.489	153.0
8.000	3.725	0.9683	39.36	55.46	13.75	3.113	5.412	164.7
9.000	3.282	0.9778	42.57	60.85	14.38	3.114	5.363	175.4
10.00	2.936	0.9837	45.76	66.20	14.94	3.116	5.330	185.4
12.00	2.429	0.9909	52.11	76.81	15.91	3.117	5.288	203.8
15.00	1.933	0.9962	61.58	92.62	17.09	3.119	5.254	228.3
20.00	1.445	0.9997	77.28	118.8	18.59	3.119	5.227	263.8
25.00	1.154	1.001	92.93	144.9	19.76	3.119	5.215	295.0
30.00	0.9615	1.001	108.6	171.0	20.71	3.118	5.208	323.1
40.00	0.7210	1.002	139.8	223.0	22.21	3.118	5.201	372.9
50.00	0.5768	1.001	171.0	275.0	23.37	3.117	5.198	416.8
60.00	0.4808	1.001	202.2	327.0	24.31	3.117	5.196	456.4
80.00	0.3607	1.001	264.5	430.9	25.81	3.117	5.195	526.8
100.0	0.2886	1.001	326.8	534.8	26.97	3.116	5.194	588.9
120.0	0.2405	1.001	389.2	636.6	27.91	3.116	5.194	645.0
140.0	0.2062	1.001	451.5	742.5	28.72	3.116	5.193	696.6
160.0	0.1804	1.001	513.8	846.4	29.41	3.116	5.193	744.6
180.0	0.1604	1.000	576.1	950.2	30.02	3.116	5.193	789.8
200.0	0.1444	1.000	638.5	1054.	30.57	3.116	5.193	832.4
220.0	0.1312	1.000	700.8	1158.	31.06	3.116	5.193	873.0
240.0	0.1203	1.000	763.1	1262.	31.51	3.116	5.193	911.8
260.0	0.1111	1.000	825.4	1366.	31.93	3.116	5.193	949.0
280.0	0.1031	1.000	887.7	1470.	32.31	3.116	5.193	984.8
300.0	0.9626E-01	1.000	950.1	1573.	32.57	3.116	5.193	1019.
350.0	0.8251E-01	1.000	1106.	1833.	33.47	3.116	5.193	1101.
400.0	0.7220E-01	1.000	1262.	2093.	34.17	3.116	5.193	1177.
500.0	0.5776E-01	1.000	1573.	2612.	35.33	3.116	5.193	1316.
600.0	0.4814E-01	1.000	1885.	3131.	36.27	3.116	5.193	1441.
700.0	0.4126E-01	1.000	2196.	3651.	37.07	3.116	5.193	1557.
800.0	0.3610E-01	1.000	2508.	4170.	37.77	3.116	5.193	1664.
900.0	0.3209E-01	1.000	2820.	4689.	38.38	3.116	5.193	1765.
1000.	0.2888E-01	1.000	3131.	5209.	38.93	3.116	5.193	1861.
1100.	0.2626E-01	1.000	3443.	5728.	39.42	3.116	5.193	1952.
1200.	0.2407E-01	1.000	3754.	6247.	39.87	3.116	5.193	2038.
1300.	0.2222E-01	1.000	4066.	6766.	40.29	3.116	5.193	2122.
1400.	0.2063E-01	1.000	4377.	7286.	40.67	3.116	5.193	2202.
1500.	0.1926E-01	1.000	4689.	7805.	41.03	3.116	5.193	2279.

PRESSURE = 0.060 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial E}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.4560E-03	1.486	0.7030E-02	0.5764E-01				
1.000	0.2357E-03	0.1359	0.7015E-02	0.5763E-01				
1.200	-0.8302E-03	-0.1266	0.7003E-02	0.5763E-01				
1.400	-0.2898E-02	-0.1545	0.7016E-02	0.5765E-01				
1.600	-0.6212E-02	-0.1396	0.7094E-02	0.5768E-01				
1.800	-0.1188E-01	-0.1259	0.7296E-02	0.5774E-01				
2.000	-0.2488E-01	-0.1268	0.7702E-02	0.5785E-01				
2.072	-0.3514E-01	-0.1335	0.7908E-02	0.5791E-01				
2.162	-0.7670E-01	-0.1657	0.8258E-02	0.5803E-01				
2.171	-0.1151	-0.1925	0.8383E-02	0.5806E-01				
2.173	-0.4014E-01	-0.1122	0.8201E-02	0.5806E-01				
2.182	0.3217E-02	0.1437E-01	0.8109E-02	0.5806E-01				
2.272	0.4950E-01	0.3994	0.8154E-02	0.5798E-01				
2.400	0.7496E-01	0.6924	0.8368E-02	0.5778E-01				
2.700	0.1311	1.056	0.9430E-02	0.5708E-01				
3.000	0.1991	1.250	0.1098E-01	0.5607E-01				
3.300	0.2834	1.272	0.1314E-01	0.5479E-01				
3.600	0.4035	1.261	0.1665E-01	0.5318E-01	0.1798E-01	3.455	0.3719E-07	0.6878
3.710	0.4629	1.254	0.1852E-01	0.5248E-01	0.1812E-01	3.420	0.3555E-07	0.7214
3.710	1.900	0.6556	1.385	0.3929E-02	0.7586E-02	1.043	0.9980E-07	1.032
3.900	1.712	0.6631	1.304	0.3591E-02	0.7926E-02	1.088	0.1219E-06	0.9642
4.200	1.527	0.6713	1.225	0.3186E-02	0.8465E-02	1.158	0.1575E-06	0.8946
4.500	1.412	0.6765	1.175	0.2879E-02	0.8999E-02	1.226	0.1943E-06	0.8497
4.800	1.334	0.6797	1.141	0.2635E-02	0.9524E-02	1.293	0.2324E-06	0.8188
5.000	1.295	0.6810	1.124	0.2497E-02	0.9867E-02	1.337	0.2584E-06	0.8032
5.100	1.278	0.6815	1.117	0.2434E-02	0.1004E-01	1.358	0.2716E-06	0.7965
5.300	1.248	0.6823	1.104	0.2319E-02	0.1037E-01	1.401	0.2984E-06	0.7850
5.500	1.223	0.6827	1.093	0.2215E-02	0.1070E-01	1.444	0.3258E-06	0.7755
6.000	1.176	0.6830	1.072	0.1996E-02	0.1149E-01	1.547	0.3965E-06	0.7579
6.500	1.143	0.6826	1.057	0.1819E-02	0.1224E-01	1.647	0.4704E-06	0.7462
7.000	1.119	0.6819	1.047	0.1672E-02	0.1297E-01	1.743	0.5474E-06	0.7381
8.000	1.085	0.6802	1.032	0.1444E-02	0.1433E-01	1.928	0.7107E-06	0.7284
9.000	1.064	0.6786	1.023	0.1272E-02	0.1559E-01	2.103	0.8854E-06	0.7236
10.00	1.050	0.6771	1.017	0.1138E-02	0.1676E-01	2.269	0.1071E-05	0.7215
12.00	1.032	0.6750	1.009	0.9414E-03	0.1892E-01	2.578	0.1473E-05	0.7206
15.00	1.018	0.6728	1.004	0.7490E-03	0.2183E-01	2.998	0.2149E-05	0.7216
20.00	1.008	0.6708	1.000	0.5598E-03	0.2614E-01	3.612	0.3461E-05	0.7224
25.00	1.004	0.6697	0.9991	0.4472E-03	0.3003E-01	4.152	0.4990E-05	0.7209
30.00	1.002	0.6691	0.9986	0.3725E-03	0.3367E-01	4.640	0.6724E-05	0.7177
40.00	0.9999	0.6683	0.9984	0.2793E-03	0.4040E-01	5.513	0.1078E-04	0.7096
50.00	0.9993	0.6679	0.9985	0.2235E-03	0.4664E-01	6.292	0.1556E-04	0.7012
60.00	0.9991	0.6676	0.9987	0.1863E-03	0.5252E-01	7.009	0.2102E-04	0.6935
80.00	0.9991	0.6673	0.9989	0.1397E-03	0.6348E-01	8.324	0.3389E-04	0.6811
100.0	0.9992	0.6672	0.9991	0.1118E-03	0.7368E-01	9.538	0.4916E-04	0.6723
120.0	0.9993	0.6671	0.9993	0.9319E-04	0.8330E-01	10.69	0.6668E-04	0.6664
140.0	0.9994	0.6670	0.9994	0.7988E-04	0.9247E-01	11.80	0.8635E-04	0.6626
160.0	0.9994	0.6666	0.9995	0.6990E-04	0.1013	12.88	0.1081E-03	0.6604
180.0	0.9995	0.6666	0.9995	0.6214E-04	0.1087	13.93	0.1317E-03	0.6593
200.0	0.9995	0.6666	0.9996	0.5593E-04	0.1180	15.00	0.1573E-03	0.6603
220.0	0.9996	0.6665	0.9996	0.5085E-04	0.1259	16.03	0.1848E-03	0.6611
240.0	0.9996	0.6666	0.9996	0.4661E-04	0.1337	17.04	0.2140E-03	0.6617
260.0	0.9996	0.6666	0.9997	0.4303E-04	0.1413	18.02	0.2450E-03	0.6623
280.0	0.9997	0.6666	0.9997	0.3985E-04	0.1487	18.98	0.2776E-03	0.6628
300.0	0.9997	0.6666	0.9997	0.3729E-04	0.1559	19.91	0.3120E-03	0.6632
350.0	0.9997	0.6666	0.9998	0.3195E-04	0.1735	22.18	0.4049E-03	0.6639
400.0	0.9998	0.6666	0.9998	0.2797E-04	0.1903	24.35	0.5077E-03	0.6645
500.0	0.9998	0.6667	0.9998	0.2238E-04	0.2223	28.47	0.7410E-03	0.6651
600.0	0.9999	0.6667	0.9999	0.1865E-04	0.2524	32.34	0.1010E-02	0.6655
700.0	0.9999	0.6667	0.9999	0.1598E-04	0.2810	36.03	0.1312E-02	0.6658
800.0	0.9999	0.6667	0.9999	0.1399E-04	0.3085	39.56	0.1645E-02	0.6659
900.0	0.9999	0.6667	0.9999	0.1243E-04	0.3350	42.96	0.2010E-02	0.6660
1000.	0.9999	0.6667	0.9999	0.1119E-04	0.3606	46.24	0.2404E-02	0.6660
1100.	0.9999	0.6667	0.9999	0.1017E-04	0.3854	49.43	0.2827E-02	0.6660
1200.	0.9999	0.6667	0.9999	0.9325E-05	0.4097	52.54	0.3277E-02	0.6660
1300.	0.9999	0.6667	0.9999	0.8607E-05	0.4333	55.56	0.3755E-02	0.6660
1400.	0.9999	0.6667	1.0000	0.7993E-05	0.4564	58.52	0.4260E-02	0.6659
1500.	1.0000	0.6667	1.0000	0.7460E-05	0.4790	61.42	0.4790E-02	0.6659

PRESSURE = 0.080 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
0.8000	146.6	0.3285	0.4213E-02	0.5501	0.4423E-02	0.2238E-01	0.2239E-01	243.2
1.000	146.5	0.2628	0.1503E-01	0.5610	0.1622E-01	0.1019	0.1019	243.3
1.200	146.5	0.2190	0.5420E-01	0.6001	0.5132E-01	0.3213	0.3213	243.6
1.400	146.6	0.1877	0.1600	0.7058	0.1318	0.7850	0.7854	243.6
1.600	146.7	0.1641	0.3929	0.9384	0.2859	1.610	1.611	242.3
1.800	146.8	0.1457	0.8395	1.384	0.5470	2.949	2.954	238.8
2.000	147.1	0.1309	1.636	2.180	0.9638	5.216	5.235	232.3
1. 2.070	147.3	0.1263	2.046	2.589	1.165	6.535	6.570	229.4
2. 2.160	147.6	0.1208	2.773	3.315	1.508	10.52	10.66	225.3
3. 2.169	147.7	0.1203	2.878	3.420	1.556	13.32	13.63	224.6
3. 2.171	147.7	0.1201	2.903	3.445	1.568	8.139	8.180	225.2
2. 2.180	147.7	0.1196	2.958	3.499	1.593	5.130	5.130	226.0
1. 2.270	147.5	0.1150	3.266	3.809	1.732	2.714	2.766	227.7
2. 4.00	147.0	0.1092	3.587	4.131	1.870	2.189	2.301	228.7
2. 7.00	145.3	0.9819E-01	4.248	4.799	2.133	2.008	2.279	225.9
3. 0.000	142.8	0.8988E-01	4.950	5.510	2.382	2.028	2.521	221.5
3. 3.00	139.7	0.8353E-01	5.759	6.332	2.643	2.205	2.977	214.1
3. 6.00	135.8	0.7877E-01	6.715	7.304	2.924	2.362	3.518	203.8
3. 9.00	130.8	0.7548E-01	7.847	8.458	3.232	2.475	4.219	190.7
L 3.980	129.3	0.7486E-01	8.187	8.806	3.320	2.499	4.464	186.6
V 3.980	13.30	0.7274	24.66	30.67	8.803	3.288	8.175	99.19
4. 200	11.92	0.7694	25.66	32.38	9.220	3.246	7.417	105.3
4. 500	10.55	0.8113	26.92	34.50	9.710	3.202	6.819	112.4
4. 800	9.528	0.8421	28.09	36.49	10.14	3.171	6.453	118.6
5. 000	8.971	0.8586	28.85	37.76	10.40	3.157	6.281	122.4
5. 100	8.722	0.8658	29.21	38.39	10.52	3.150	6.209	124.2
5. 300	8.269	0.8788	29.94	39.62	10.76	3.140	6.087	127.6
5. 500	7.867	0.8900	30.65	40.82	10.98	3.133	5.988	130.9
6. 000	7.036	0.9123	32.40	43.77	11.49	3.121	5.808	138.6
6. 500	6.379	0.9288	34.10	46.64	11.95	3.115	5.687	145.6
7. 000	5.845	0.9414	35.77	49.46	12.37	3.113	5.602	152.2
8. 000	5.020	0.9590	39.07	55.00	13.11	3.112	5.491	164.2
9. 000	4.410	0.9704	42.32	60.46	13.75	3.114	5.423	175.1
10. 00	3.937	0.9782	45.54	65.86	14.32	3.115	5.377	185.2
12. 00	3.249	0.9878	51.93	76.55	15.30	3.118	5.320	203.7
15. 00	2.581	0.9950	61.43	92.43	16.48	3.119	5.274	228.4
20. 00	1.926	0.9996	77.17	118.7	17.99	3.120	5.239	264.0
25. 00	1.539	1.001	92.85	144.8	19.16	3.119	5.222	295.2
30. 00	1.281	1.002	108.5	170.9	20.11	3.119	5.213	323.3
40. 00	0.9608	1.002	139.7	223.0	21.61	3.118	5.203	373.1
50. 00	0.7687	1.002	171.0	275.0	22.77	3.118	5.199	417.0
60. 00	0.6407	1.002	202.1	327.0	23.72	3.117	5.197	456.6
80. 00	0.4807	1.001	264.5	430.9	25.21	3.117	5.195	527.0
100. 0	0.3847	1.001	326.8	534.8	26.37	3.117	5.194	589.1
120. 0	0.3206	1.001	389.2	636.7	27.32	3.116	5.194	645.2
140. 0	0.2749	1.001	451.5	742.6	28.12	3.116	5.193	696.8
160. 0	0.2405	1.001	513.8	846.4	28.81	3.116	5.193	744.8
180. 0	0.2138	1.001	576.1	950.3	29.42	3.116	5.193	789.9
200. 0	0.1925	1.001	638.5	1054.	29.97	3.116	5.193	832.6
220. 0	0.1750	1.001	700.8	1158.	30.46	3.116	5.193	873.1
240. 0	0.1604	1.000	763.1	1262.	30.92	3.116	5.193	911.9
260. 0	0.1481	1.000	825.4	1366.	31.33	3.116	5.193	949.1
280. 0	0.1375	1.000	887.7	1470.	31.72	3.116	5.193	984.9
300. 0	0.1283	1.000	950.1	1573.	32.08	3.116	5.193	1019.
350. 0	0.1100	1.000	1106.	1833.	32.88	3.116	5.193	1101.
400. 0	0.8626E-01	1.000	1262.	2093.	33.57	3.116	5.193	1177.
500. 0	0.7701E-01	1.000	1573.	2612.	34.73	3.116	5.193	1316.
600. 0	0.6418E-01	1.000	1885.	3131.	35.67	3.116	5.193	1441.
700. 0	0.5501E-01	1.000	2196.	3651.	36.48	3.116	5.193	1557.
800. 0	0.4814E-01	1.000	2508.	4170.	37.17	3.116	5.193	1664.
900. 0	0.4279E-01	1.000	2820.	4689.	37.78	3.116	5.193	1765.
1000.	0.3851E-01	1.000	3131.	5209.	38.33	3.116	5.193	1861.
1100.	0.3501E-01	1.000	3443.	5728.	38.82	3.116	5.193	1952.
1200.	0.3209E-01	1.000	3754.	6247.	39.27	3.116	5.193	2038.
1300.	0.2962E-01	1.000	4066.	6766.	39.69	3.116	5.193	2122.
1400.	0.2751E-01	1.000	4377.	7286.	40.07	3.116	5.193	2202.
1500.	0.2567E-01	1.000	4689.	7805.	40.43	3.116	5.193	2279.

TEMP [K]	PRESSURE = 0.080 [MPa]			DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$					
0.8000	0.4657E-03	1.537	0.9237E-02	0.5777E-01				
1.000	0.2647E-03	0.1539	0.9222E-02	0.5777E-01				
1.200	-0.8117E-03	-0.1250	0.9197E-02	0.5777E-01				
1.400	-0.2973E-02	-0.1605	0.9202E-02	0.5779E-01				
1.600	-0.6548E-02	-0.1492	0.9297E-02	0.5782E-01				
1.800	-0.1277E-01	-0.1370	0.9569E-02	0.5789E-01				
2.000	-0.2663E-01	-0.1373	0.1011E-01	0.5800E-01				
2.070	-0.3689E-01	-0.1428	0.1037E-01	0.5806E-01				
2.160	-0.7866E-01	-0.1733	0.1082E-01	0.5819E-01				
2.169	-0.1174	-0.2003	0.1099E-01	0.5821E-01				
2.171	-0.4199E-01	-0.1199	0.1074E-01	0.5822E-01				
2.180	0.1814E-02	0.8282E-02	0.1061E-01	0.5822E-01				
2.270	0.4812E-01	0.3973	0.1066E-01	0.5815E-01				
2.400	0.7335E-01	0.6947	0.1094E-01	0.5794E-01				
2.700	0.1276	1.058	0.1225E-01	0.5726E-01				
3.000	0.1935	1.255	0.1420E-01	0.5628E-01				
3.300	0.2738	1.278	0.1687E-01	0.5503E-01				
3.600	0.3862	1.267	0.2111E-01	0.5347E-01	0.1809E-01	3.500	0.3786E-07	0.6806
3.900	0.5645	1.248	0.2855E-01	0.5148E-01	0.1842E-01	3.389	0.3337E-07	0.7762
3.980	0.6334	1.241	0.3176E-01	0.5085E-01	0.1846E-01	3.350	0.3200E-07	0.8100
3.980	2.217	0.6704	1.520	0.5161E-02	0.8309E-02	1.145	0.7641E-07	1.126
4.200	1.899	0.6763	1.383	0.4623E-02	0.8675E-02	1.191	0.9815E-07	1.018
4.500	1.656	0.6820	1.278	0.4092E-02	0.9184E-02	1.256	0.1277E-06	0.9322
4.800	1.510	0.6855	1.215	0.3695E-02	0.9691E-02	1.320	0.1576E-06	0.8789
5.000	1.441	0.6870	1.185	0.3479E-02	0.1002E-01	1.362	0.1779E-06	0.8535
5.100	1.412	0.6876	1.172	0.3382E-02	0.1019E-01	1.383	0.1881E-06	0.8429
5.300	1.363	0.6884	1.151	0.3206E-02	0.1051E-01	1.425	0.2089E-06	0.8250
5.500	1.323	0.6888	1.134	0.3051E-02	0.1083E-01	1.466	0.2299E-06	0.8105
6.000	1.250	0.6889	1.102	0.2728E-02	0.1160E-01	1.567	0.2840E-06	0.7843
6.500	1.200	0.6882	1.080	0.2473E-02	0.1234E-01	1.665	0.3403E-06	0.7671
7.000	1.164	0.6872	1.064	0.2266E-02	0.1306E-01	1.760	0.3988E-06	0.7552
8.000	1.116	0.6848	1.043	0.1946E-02	0.1440E-01	1.943	0.5225E-06	0.7407
9.000	1.087	0.6826	1.031	0.1709E-02	0.1565E-01	2.116	0.6546E-06	0.7330
10.00	1.067	0.6807	1.022	0.1526E-02	0.1682E-01	2.280	0.7946E-06	0.7290
12.00	1.042	0.6778	1.012	0.1259E-02	0.1897E-01	2.588	0.1098E-05	0.7258
15.00	1.024	0.6749	1.005	0.1000E-02	0.2187E-01	3.006	0.1607E-05	0.7249
20.00	1.010	0.6722	1.000	0.7465E-03	0.2617E-01	3.618	0.2593E-05	0.7243
25.00	1.005	0.6708	0.9987	0.5962E-03	0.3006E-01	4.157	0.3741E-05	0.7221
30.00	1.002	0.6699	0.9981	0.4965E-03	0.3369E-01	4.645	0.5044E-05	0.7186
40.00	0.9998	0.6688	0.9979	0.3723E-03	0.4042E-01	5.516	0.8085E-05	0.7101
50.00	0.9991	0.6683	0.9980	0.2978E-03	0.4666E-01	6.295	0.1167E-04	0.7015
60.00	0.9989	0.6680	0.9982	0.2462E-03	0.5253E-01	7.012	0.1578E-04	0.6937
80.00	0.9988	0.6676	0.9986	0.1862E-03	0.6350E-01	8.327	0.2543E-04	0.6812
100.0	0.9989	0.6673	0.9988	0.1490E-03	0.7370E-01	9.540	0.3688E-04	0.6724
120.0	0.9990	0.6672	0.9990	0.1242E-03	0.8332E-01	10.69	0.5003E-04	0.6664
140.0	0.9991	0.6671	0.9992	0.1065E-03	0.9248E-01	11.80	0.6479E-04	0.6626
160.0	0.9992	0.6670	0.9993	0.9319E-04	0.1013	12.88	0.8108E-04	0.6604
180.0	0.9993	0.6670	0.9994	0.8284E-04	0.1098	13.93	0.9884E-04	0.6592
200.0	0.9994	0.6670	0.9994	0.7456E-04	0.1180	15.00	0.1180E-03	0.6602
220.0	0.9994	0.6666	0.9995	0.6779E-04	0.1259	16.03	0.1385E-03	0.6611
240.0	0.9995	0.6666	0.9995	0.6214E-04	0.1337	17.04	0.1605E-03	0.6617
260.0	0.9995	0.6666	0.9996	0.5736E-04	0.1413	18.02	0.1838E-03	0.6623
280.0	0.9996	0.6666	0.9996	0.5327E-04	0.1487	18.98	0.2083E-03	0.6627
300.0	0.9996	0.6666	0.9996	0.4972E-04	0.1560	19.92	0.2340E-03	0.6631
350.0	0.9996	0.6666	0.9997	0.4262E-04	0.1735	22.18	0.3037E-03	0.6639
400.0	0.9997	0.6666	0.9997	0.3729E-04	0.1904	24.35	0.3808E-03	0.6644
500.0	0.9998	0.6666	0.9998	0.2983E-04	0.2223	28.47	0.5558E-03	0.6651
600.0	0.9998	0.6667	0.9998	0.2486E-04	0.2524	32.34	0.7573E-03	0.6655
700.0	0.9998	0.6667	0.9999	0.2131E-04	0.2810	36.03	0.9838E-03	0.6657
800.0	0.9999	0.6667	0.9999	0.1865E-04	0.3085	39.55	0.1234E-02	0.6658
900.0	0.9999	0.6667	0.9999	0.1658E-04	0.3350	42.95	0.1508E-02	0.6659
1000.	0.9999	0.6667	0.9999	0.1492E-04	0.3606	46.24	0.1803E-02	0.6659
1100.	0.9999	0.6667	0.9999	0.1356E-04	0.3855	49.43	0.2120E-02	0.6659
1200.	0.9999	0.6667	0.9999	0.1243E-04	0.4097	52.53	0.2458E-02	0.6659
1300.	0.9999	0.6667	0.9999	0.1148E-04	0.4333	55.56	0.2817E-02	0.6659
1400.	0.9999	0.6667	0.9999	0.1066E-04	0.4564	58.52	0.3195E-02	0.6659
1500.	0.9999	0.6667	0.9999	0.9946E-05	0.4790	61.41	0.3593E-02	0.6658

PRESSURE = 0.101325 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	146.9	0.4150	0.5653E-02	0.6954	0.4338E-02	0.2235E-01	0.2237E-01	244.9
1.000	146.9	0.3321	0.1649E-01	0.7063	0.1618E-01	0.1023	0.1023	244.9
1.200	146.9	0.2767	0.5582E-01	0.7456	0.5142E-01	0.3224	0.3224	245.3
1.400	146.9	0.2371	0.1619	0.8515	0.1322	0.7068	0.7872	245.4
1.600	147.0	0.2073	0.3954	1.085	0.2865	1.612	1.614	244.2
1.800	147.2	0.1841	0.8430	1.531	0.5481	2.953	2.958	240.6
2.000	147.5	0.1653	1.641	2.328	0.9658	5.228	5.250	234.0
1 2.068	147.7	0.1597	2.040	2.726	1.161	6.510	6.548	231.2
2 2.158	148.0	0.1527	2.765	3.450	1.503	10.47	10.63	227.2
3 2.167	148.1	0.1520	2.870	3.554	1.552	13.25	13.58	226.5
3 2.169	148.1	0.1519	2.894	3.579	1.563	8.102	8.148	227.1
2 2.178	148.1	0.1512	2.949	3.633	1.588	5.105	5.105	227.9
1 2.268	147.9	0.1454	3.256	3.941	1.727	2.699	2.749	229.6
2.400	147.4	0.1379	3.578	4.265	1.866	2.172	2.281	230.7
2.700	145.7	0.1240	4.232	4.927	2.126	1.995	2.258	228.2
3.000	143.4	0.1134	4.923	5.630	2.372	2.016	2.494	224.0
3.300	140.3	0.1053	5.721	6.443	2.630	2.195	2.940	216.9
3.600	136.6	0.9922E-01	6.659	7.401	2.908	2.352	3.460	207.1
3.900	131.8	0.9489E-01	7.763	8.532	3.209	2.465	4.109	194.7
4.200	125.5	0.9254E-01	9.096	9.904	3.548	2.546	5.145	178.4
L 4.222	124.9	0.9246E-01	9.208	10.02	3.575	2.552	5.255	177.0
V 4.222	16.84	0.6859	24.72	30.74	8.473	3.238	9.144	99.93
4.500	14.52	0.7463	26.09	33.07	9.007	3.205	7.788	108.1
4.800	12.84	0.7913	27.39	35.28	9.485	3.175	7.073	115.3
5.000	11.98	0.8145	28.21	36.67	9.767	3.159	6.770	119.5
5.100	11.50	0.8245	28.60	37.34	9.900	3.152	6.650	121.5
5.300	10.93	0.8423	29.37	38.65	10.15	3.141	6.452	125.3
5.500	10.34	0.8575	30.12	39.92	10.39	3.133	6.297	128.9
6.000	9.164	0.8872	31.94	43.00	10.92	3.119	6.025	137.0
6.500	8.257	0.9088	33.69	45.96	11.40	3.113	5.852	144.4
7.000	7.532	0.9251	35.40	48.86	11.83	3.111	5.732	151.2
8.000	6.433	0.9478	38.76	54.51	12.58	3.111	5.581	163.6
9.000	5.631	0.9625	42.04	60.04	13.23	3.113	5.489	174.7
10.00	5.016	0.9724	45.30	65.50	13.81	3.115	5.429	185.0
12.00	4.128	0.9846	51.73	76.27	14.79	3.118	5.355	203.7
15.00	3.273	0.9937	61.28	92.24	15.98	3.120	5.296	228.5
20.00	2.440	0.9995	77.06	118.6	17.50	3.121	5.251	264.3
25.00	1.948	1.002	92.77	144.8	18.66	3.120	5.229	295.5
30.00	1.622	1.002	108.4	170.9	19.62	3.120	5.218	323.6
40.00	1.216	1.003	139.7	223.0	21.12	3.119	5.206	373.4
50.00	0.9732	1.002	170.9	275.0	22.28	3.118	5.201	417.3
60.00	0.8112	1.002	202.1	327.0	23.22	3.118	5.198	456.9
80.00	0.6086	1.002	264.5	431.0	24.72	3.117	5.196	527.2
100.0	0.4871	1.001	326.8	534.9	25.88	3.117	5.194	589.3
120.0	0.4060	1.001	389.2	638.8	26.83	3.117	5.194	645.3
140.0	0.3481	1.001	451.5	742.6	27.63	3.116	5.193	696.9
160.0	0.3046	1.001	513.8	846.5	28.32	3.116	5.193	744.9
180.0	0.2708	1.001	576.2	950.4	28.93	3.116	5.193	790.0
200.0	0.2437	1.001	638.5	1054.	29.48	3.116	5.193	832.7
220.0	0.2216	1.001	700.8	1158.	29.97	3.116	5.193	873.3
240.0	0.2031	1.001	763.1	1262.	30.43	3.116	5.193	912.0
260.0	0.1875	1.001	825.4	1366.	30.84	3.116	5.193	949.2
280.0	0.1741	1.000	887.7	1470.	31.23	3.116	5.193	985.0
300.0	0.1625	1.000	950.1	1574.	31.58	3.116	5.193	1020.
350.0	0.1393	1.000	1106.	1833.	32.39	3.116	5.193	1101.
400.0	0.1219	1.000	1262.	2093.	33.08	3.116	5.193	1177.
500.0	0.9750E-01	1.000	1573.	2612.	34.24	3.116	5.193	1316.
600.0	0.8128E-01	1.000	1885.	3131.	35.18	3.116	5.193	1442.
700.0	0.6967E-01	1.000	2196.	3651.	35.98	3.116	5.193	1557.
800.0	0.6096E-01	1.000	2508.	4170.	36.68	3.116	5.193	1664.
900.0	0.5419E-01	1.000	2820.	4689.	37.29	3.116	5.193	1765.
1000.	0.4877E-01	1.000	3131.	5209.	37.84	3.116	5.193	1861.
1100.	0.4434E-01	1.000	3443.	5728.	38.33	3.116	5.193	1952.
1200.	0.4065E-01	1.000	3754.	6247.	38.78	3.116	5.193	2038.
1300.	0.3752E-01	1.000	4066.	6767.	39.20	3.116	5.193	2122.
1400.	0.3484E-01	1.000	4378.	7286.	39.58	3.116	5.193	2202.
1500.	0.3252E-01	1.000	4689.	7805.	39.94	3.116	5.193	2279.

PRESSURE = 0.101325 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{T} \frac{\partial P}{\partial T}\right)_P$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.4650E-03	1.558	0.1151E-01	0.5792E-01				
1.000	0.2956E-03	0.1733	0.1150E-01	0.5791E-01				
1.200	-0.7773E-03	-0.1209	0.1146E-01	0.5791E-01				
1.400	-0.3034E-02	-0.1658	0.1146E-01	0.5793E-01				
1.600	-0.6901E-02	-0.1593	0.1157E-01	0.5797E-01				
1.800	-0.1372E-01	-0.1490	0.1192E-01	0.5803E-01				
2.000	-0.2845E-01	-0.1484	0.1260E-01	0.5816E-01				
2.068	-0.3867E-01	-0.1527	0.1281E-01	0.5822E-01				
2.158	-0.8061E-01	-0.1814	0.1346E-01	0.5836E-01				
2.167	-0.1197	-0.2087	0.1367E-01	0.5838E-01				
2.169	-0.4398E-01	-0.1283	0.1334E-01	0.5839E-01				
2.178	0.3340E-03	0.1560E-02	0.1318E-01	0.5839E-01				
2.268	0.4671E-01	0.3950	0.1323E-01	0.5832E-01				
2.400	0.7175E-01	0.6977	0.1356E-01	0.5811E-01				
2.700	0.1241	1.060	0.1510E-01	0.5745E-01				
3.000	0.1880	1.261	0.1742E-01	0.5649E-01				
3.300	0.2647	1.283	0.2056E-01	0.5528E-01				
3.600	0.3697	1.274	0.2544E-01	0.5377E-01	0.1821E-01	3.546	0.3854E-07	0.6737
3.900	0.5310	1.257	0.3380E-01	0.5187E-01	0.1857E-01	3.441	0.3429E-07	0.7614
4.200	0.8323	1.226	0.5123E-01	0.4935E-01	0.1866E-01	3.278	0.2890E-07	0.9038
4.222	0.8662	1.223	0.5330E-01	0.4913E-01	0.1866E-01	3.263	0.2841E-07	0.9192
4.222	2.655	0.6869	1.701	0.6539E-02	0.9038E-02	1.242	0.5868E-07	1.257
4.500	2.072	0.6903	1.451	0.5637E-02	0.9449E-02	1.294	0.8353E-07	1.066
4.800	1.771	0.6933	1.323	0.4983E-02	0.9917E-02	1.353	0.1092E-06	0.9646
5.000	1.646	0.6946	1.269	0.4647E-02	0.1023E-01	1.392	0.1261E-06	0.9215
5.100	1.596	0.6950	1.248	0.4500E-02	0.1039E-01	1.412	0.1346E-06	0.9043
5.300	1.515	0.6957	1.213	0.4239E-02	0.1070E-01	1.452	0.1517E-06	0.8761
5.500	1.451	0.6959	1.186	0.4012E-02	0.1100E-01	1.492	0.1689E-06	0.8540
6.000	1.339	0.6957	1.137	0.3554E-02	0.1175E-01	1.590	0.2127E-06	0.8156
6.500	1.267	0.6945	1.106	0.3202E-02	0.1247E-01	1.686	0.2580E-06	0.7912
7.000	1.216	0.6931	1.084	0.2921E-02	0.1317E-01	1.779	0.3050E-06	0.7745
8.000	1.151	0.6899	1.056	0.2494E-02	0.1450E-01	1.959	0.4038E-06	0.7540
9.000	1.112	0.6870	1.039	0.2183E-02	0.1573E-01	2.130	0.5090E-06	0.7430
10.00	1.085	0.6845	1.028	0.1944E-02	0.1689E-01	2.293	0.6203E-06	0.7368
12.00	1.054	0.6807	1.015	0.1600E-02	0.1903E-01	2.598	0.8608E-06	0.7311
15.00	1.030	0.6771	1.006	0.1268E-02	0.2191E-01	3.014	0.1264E-05	0.7283
20.00	1.013	0.6737	1.000	0.9456E-03	0.2620E-01	3.624	0.2045E-05	0.7262
25.00	1.006	0.6719	0.9984	0.7549E-03	0.3009E-01	4.162	0.2954E-05	0.7233
30.00	1.003	0.6707	0.9976	0.6286E-03	0.3372E-01	4.649	0.3984E-05	0.7194
40.00	0.9998	0.6694	0.9974	0.4713E-03	0.4045E-01	5.520	0.6387E-05	0.7106
50.00	0.9989	0.6687	0.9975	0.3771E-03	0.4668E-01	6.298	0.9223E-05	0.7018
60.00	0.9985	0.6683	0.9978	0.3143E-03	0.5255E-01	7.015	0.1246E-04	0.6939
80.00	0.9985	0.6678	0.9982	0.2358E-03	0.6352E-01	8.330	0.2009E-04	0.6813
100.0	0.9986	0.6675	0.9985	0.1887E-03	0.7371E-01	9.543	0.2914E-04	0.6724
120.0	0.9988	0.6673	0.9988	0.1573E-03	0.8333E-01	10.69	0.3952E-04	0.6664
140.0	0.9989	0.6672	0.9989	0.1348E-03	0.9250E-01	11.80	0.5117E-04	0.6626
160.0	0.9990	0.6671	0.9991	0.1180E-03	0.1013	12.88	0.6404E-04	0.6604
180.0	0.9991	0.6671	0.9992	0.1049E-03	0.1098	13.93	0.7806E-04	0.6592
200.0	0.9992	0.6670	0.9993	0.9442E-04	0.1180	15.00	0.9322E-04	0.6602
220.0	0.9993	0.6670	0.9993	0.8584E-04	0.1260	16.03	0.1095E-03	0.6610
240.0	0.9993	0.6670	0.9994	0.7869E-04	0.1337	17.04	0.1268E-03	0.6617
260.0	0.9994	0.6669	0.9995	0.7264E-04	0.1413	18.02	0.1451E-03	0.6622
280.0	0.9994	0.6669	0.9995	0.6746E-04	0.1487	18.98	0.1645E-03	0.6627
300.0	0.9995	0.6669	0.9995	0.6296E-04	0.1560	19.92	0.1848E-03	0.6631
350.0	0.9996	0.6669	0.9996	0.5397E-04	0.1735	22.18	0.2399E-03	0.6638
400.0	0.9996	0.6668	0.9997	0.4723E-04	0.1904	24.35	0.3007E-03	0.6643
500.0	0.9997	0.6668	0.9997	0.3779E-04	0.2223	28.47	0.4389E-03	0.6650
600.0	0.9998	0.6668	0.9998	0.3149E-04	0.2524	32.34	0.5980E-03	0.6654
700.0	0.9998	0.6667	0.9998	0.2699E-04	0.2811	36.02	0.7768E-03	0.6656
800.0	0.9998	0.6667	0.9999	0.2362E-04	0.3085	39.55	0.9745E-03	0.6657
900.0	0.9998	0.6667	0.9999	0.2099E-04	0.3350	42.95	0.1190E-02	0.6658
1000.	0.9999	0.6667	0.9999	0.1890E-04	0.3606	46.24	0.1424E-02	0.6658
1100.	0.9999	0.6667	0.9999	0.1718E-04	0.3855	49.42	0.1674E-02	0.6658
1200.	0.9999	0.6667	0.9999	0.1575E-04	0.4097	52.53	0.1941E-02	0.6658
1300.	0.9999	0.6667	0.9999	0.1454E-04	0.4333	55.55	0.2224E-02	0.6658
1400.	0.9999	0.6667	0.9999	0.1350E-04	0.4564	58.51	0.2523E-02	0.6658
1500.	0.9999	0.6667	0.9999	0.1260E-04	0.4790	61.41	0.2837E-02	0.6657

PRESSURE = 0.120 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	VSOUND [m/s]
0.8000	147.2	0.4905	0.7179E-02	0.8223	0.4265E-02	0.2231E-01	0.2233E-01	246.4
1.000	147.2	0.3924	0.1804E-01	0.8332	0.1614E-01	0.1027	0.1027	246.4
1.200	147.2	0.3270	0.5750E-01	0.8726	0.5150E-01	0.3233	0.3233	246.8
1.400	147.2	0.2802	0.1639	0.9789	0.1324	0.7884	0.7888	246.9
1.600	147.3	0.2450	0.3979	1.212	0.2871	1.615	1.617	245.7
1.800	147.5	0.2175	0.8464	1.660	0.5491	2.957	2.964	242.0
2.000	147.9	0.1954	1.647	2.458	0.9877	5.238	5.263	235.4
1.2066	148.0	0.1889	2.035	2.846	1.158	6.487	6.529	232.8
2.2156	148.4	0.1806	2.758	3.567	1.499	10.43	10.59	228.8
3.2165	148.4	0.1798	2.863	3.671	1.548	13.19	13.54	228.1
3.2167	148.4	0.1795	2.887	3.696	1.559	8.070	8.120	228.8
2.2176	148.4	0.1708	2.942	3.750	1.584	5.083	5.083	229.5
1.2266	148.3	0.1719	3.247	4.056	1.722	2.686	2.734	231.3
2.4000	147.8	0.1629	3.571	4.383	1.862	2.157	2.264	232.5
2.7000	146.1	0.1464	4.218	5.039	2.120	1.984	2.240	230.3
3.0000	143.8	0.1339	4.902	5.736	2.364	2.006	2.472	226.2
3.3000	140.9	0.1243	5.689	6.541	2.620	2.186	2.910	219.3
3.6000	137.2	0.1170	6.614	7.488	2.894	2.344	3.413	209.9
3.9000	132.6	0.1117	7.695	8.600	3.190	2.456	4.025	198.1
4.2000	126.6	0.1086	8.986	9.933	3.519	2.536	4.950	182.8
L.4.407	121.1	0.1083	10.08	11.07	3.782	2.585	6.137	168.8
V.4.407	20.17	0.6499	24.66	30.61	8.208	3.198	10.34	100.3
4.500	18.96	0.6772	25.20	31.53	8.414	3.193	9.407	103.5
4.800	16.24	0.7412	26.70	34.09	8.965	3.171	7.887	112.0
5.000	14.97	0.7721	27.59	35.61	9.276	3.157	7.361	116.8
5.100	14.43	0.7852	28.01	36.33	9.420	3.150	7.165	119.0
5.300	13.49	0.8081	28.84	37.73	9.689	3.140	6.858	123.1
5.500	12.70	0.8273	29.63	39.08	9.939	3.131	6.628	127.0
6.000	11.14	0.8544	31.52	42.29	10.50	3.117	6.245	135.7
6.500	9.976	0.8909	33.32	45.35	10.99	3.111	6.012	143.4
7.000	9.062	0.9107	35.07	48.32	11.43	3.108	5.856	150.4
8.000	7.699	0.9380	38.48	54.07	12.19	3.109	5.663	163.1
9.000	6.718	0.9555	41.80	59.67	12.85	3.112	5.549	174.4
10.00	5.972	0.9674	45.08	65.18	13.44	3.114	5.475	184.9
12.00	4.903	0.9819	51.55	76.03	14.42	3.118	5.385	203.7
15.00	3.880	0.9925	61.14	92.07	15.62	3.121	5.315	228.7
20.00	2.890	0.9995	76.97	118.5	17.14	3.122	5.261	264.5
25.00	2.306	1.002	92.70	144.7	18.31	3.121	5.236	295.7
30.00	1.920	1.003	108.4	170.9	19.26	3.121	5.222	323.8
40.00	1.440	1.003	139.7	223.0	20.76	3.119	5.209	373.7
50.00	1.152	1.003	170.9	275.1	21.92	3.119	5.202	417.5
60.00	0.9603	1.003	202.1	327.1	22.87	3.118	5.199	457.1
80.00	0.7206	1.002	264.5	431.0	24.37	3.117	5.196	527.4
100.0	0.5767	1.002	326.8	534.9	25.53	3.117	5.195	589.4
120.0	0.4807	1.001	389.2	638.8	26.47	3.117	5.194	645.5
140.0	0.4121	1.001	451.5	742.7	27.28	3.117	5.194	697.0
160.0	0.3607	1.001	513.8	846.6	27.97	3.116	5.193	745.0
180.0	0.3206	1.001	576.2	950.4	28.58	3.116	5.193	790.1
200.0	0.2886	1.001	638.5	1054.	29.13	3.116	5.193	832.8
220.0	0.2524	1.001	700.8	1158.	29.62	3.116	5.193	873.4
240.0	0.2405	1.001	763.1	1262.	30.07	3.116	5.193	912.1
260.0	0.2220	1.001	825.4	1366.	30.49	3.116	5.193	949.3
280.0	0.2062	1.001	887.8	1470.	30.87	3.116	5.193	985.1
300.0	0.1925	1.001	950.1	1574.	31.23	3.116	5.193	1020.
350.0	0.1650	1.000	1106.	1833.	32.03	3.116	5.193	1101.
400.0	0.1444	1.000	1262.	2093.	32.73	3.116	5.193	1177.
500.0	0.1155	1.000	1573.	2612.	33.89	3.116	5.193	1316.
600.0	0.9626E-01	1.000	1885.	3131.	34.83	3.116	5.193	1442.
700.0	0.8251E-01	1.000	2196.	3651.	35.63	3.116	5.193	1557.
800.0	0.7220E-01	1.000	2508.	4170.	36.33	3.116	5.193	1664.
900.0	0.6418E-01	1.000	2820.	4689.	36.94	3.116	5.193	1765.
1000.	0.5776E-01	1.000	3131.	5209.	37.49	3.116	5.193	1861.
1100.	0.5251E-01	1.000	3443.	5728.	37.98	3.116	5.193	1952.
1200.	0.4814E-01	1.000	3754.	6247.	38.43	3.116	5.193	2038.
1300.	0.4443E-01	1.000	4066.	6767.	38.85	3.116	5.193	2122.
1400.	0.4126E-01	1.000	4378.	7286.	39.23	3.116	5.193	2202.
1500.	0.3851E-01	1.000	4689.	7805.	39.59	3.116	5.193	2279.

PRESSURE = 0.120 [MPa]

TEMP (K)	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial E}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.4570E-03	1.554	0.1343E-01	0.5804E-01				
1.000	0.3204E-03	0.1894	0.1343E-01	0.5803E-01				
1.200	-0.7420E-03	-0.1165	0.1339E-01	0.5804E-01				
1.400	-0.3080E-02	-0.1700	0.1338E-01	0.5805E-01				
1.600	-0.7208E-02	-0.1681	0.1351E-01	0.5809E-01				
1.800	-0.1455E-01	-0.1587	0.1392E-01	0.5816E-01				
2.000	-0.3003E-01	-0.1581	0.1471E-01	0.5829E-01				
2.066	-0.4015E-01	-0.1613	0.1506E-01	0.5836E-01				
2.156	-0.8224E-01	-0.1885	0.1569E-01	0.5850E-01				
2.165	-0.1217	-0.2160	0.1595E-01	0.5852E-01				
2.167	-0.4568E-01	-0.1358	0.1554E-01	0.5853E-01				
2.176	-0.9403E-03	-0.4478E-02	0.1534E-01	0.5853E-01				
2.266	0.4551E-01	0.3930	0.1540E-01	0.5846E-01				
2.400	0.7044E-01	0.7006	0.1577E-01	0.5826E-01				
2.700	0.1213	1.063	0.1748E-01	0.5761E-01				
3.000	0.1835	1.266	0.2009E-01	0.5668E-01				
3.300	0.2572	1.288	0.2357E-01	0.5549E-01				
3.600	0.3567	1.279	0.2891E-01	0.5402E-01	0.1831E-01	3.586	0.3911E-07	0.6684
3.900	0.5056	1.264	0.3780E-01	0.5219E-01	0.1870E-01	3.485	0.3503E-07	0.7502
4.200	0.7695	1.237	0.5534E-01	0.4980E-01	0.1883E-01	3.331	0.3004E-07	0.8756
4.407	1.142	1.203	0.8254E-01	0.4759E-01	0.1875E-01	3.180	0.2523E-07	1.041
4.407	3.181	0.7021	1.913	0.7833E-02	0.9691E-02	1.323	0.4646E-07	1.412
4.500	2.774	0.7016	1.742	0.7361E-02	0.9790E-02	1.336	0.5489E-07	1.284
4.800	2.119	0.7020	1.465	0.6303E-02	0.1018E-01	1.386	0.7949E-07	1.074
5.000	1.896	0.7025	1.371	0.5808E-02	0.1046E-01	1.423	0.9496E-07	1.001
5.100	1.814	0.7027	1.336	0.5598E-02	0.1060E-01	1.441	0.1026E-06	0.9739
5.300	1.685	0.7029	1.282	0.5234E-02	0.1089E-01	1.479	0.1177E-06	0.9312
5.500	1.589	0.7029	1.241	0.4926E-02	0.1118E-01	1.517	0.1328E-06	0.8993
6.000	1.429	0.7020	1.173	0.4321E-02	0.1189E-01	1.611	0.1709E-06	0.8464
6.500	1.331	0.7003	1.131	0.3869E-02	0.1259E-01	1.705	0.2099E-06	0.8141
7.000	1.266	0.6984	1.103	0.3514E-02	0.1327E-01	1.796	0.2501E-06	0.7924
8.000	1.183	0.6944	1.068	0.2985E-02	0.1459E-01	1.973	0.3345E-06	0.7660
9.000	1.134	0.6909	1.047	0.2605E-02	0.1581E-01	2.142	0.4242E-06	0.7518
10.00	1.102	0.6879	1.034	0.2315E-02	0.1696E-01	2.304	0.5188E-06	0.7437
12.00	1.064	0.6834	1.018	0.1901E-02	0.1909E-01	2.607	0.7228E-06	0.7356
15.00	1.035	0.6790	1.007	0.1504E-02	0.2196E-01	3.021	0.1065E-05	0.7312
20.00	1.015	0.6750	1.000	0.1120E-02	0.2623E-01	3.629	0.1725E-05	0.7279
25.00	1.007	0.6728	0.9981	0.8938E-03	0.3012E-01	4.166	0.2494E-05	0.7244
30.00	1.003	0.6715	0.9972	0.7441E-03	0.3374E-01	4.653	0.3365E-05	0.7202
40.00	0.9998	0.6699	0.9969	0.5579E-03	0.4047E-01	5.523	0.5396E-05	0.7110
50.00	0.9987	0.6691	0.9971	0.4464E-03	0.4670E-01	6.302	0.7792E-05	0.7020
60.00	0.9983	0.6686	0.9973	0.3721E-03	0.5257E-01	7.018	0.1053E-04	0.6941
80.00	0.9982	0.6680	0.9979	0.2792E-03	0.6354E-01	8.332	0.1697E-04	0.6814
100.0	0.9984	0.6677	0.9982	0.2234E-03	0.7373E-01	9.545	0.2461E-04	0.6725
120.0	0.9985	0.6675	0.9985	0.1862E-03	0.8335E-01	10.69	0.3338E-04	0.6665
140.0	0.9987	0.6673	0.9987	0.1597E-03	0.9251E-01	11.80	0.4322E-04	0.6626
160.0	0.9988	0.6672	0.9989	0.1397E-03	0.1013	12.88	0.5409E-04	0.6604
180.0	0.9990	0.6672	0.9990	0.1242E-03	0.1098	13.94	0.6593E-04	0.6592
200.0	0.9991	0.6671	0.9981	0.1118E-03	0.1180	15.00	0.7873E-04	0.6602
220.0	0.9991	0.6671	0.9992	0.1017E-03	0.1260	16.03	0.9245E-04	0.6610
240.0	0.9992	0.6670	0.9993	0.9319E-04	0.1337	17.04	0.1071E-03	0.6616
260.0	0.9993	0.6670	0.9994	0.8603E-04	0.1413	18.02	0.1226E-03	0.6622
280.0	0.9993	0.6670	0.9994	0.7988E-04	0.1487	18.98	0.1389E-03	0.6626
300.0	0.9994	0.6669	0.9995	0.7456E-04	0.1560	19.92	0.1581E-03	0.6630
350.0	0.9995	0.6669	0.9995	0.6392E-04	0.1735	22.18	0.2026E-03	0.6638
400.0	0.9995	0.6669	0.9996	0.5593E-04	0.1904	24.35	0.2539E-03	0.6643
500.0	0.9996	0.6668	0.9997	0.4475E-04	0.2223	28.47	0.3706E-03	0.6650
600.0	0.9997	0.6668	0.9998	0.3729E-04	0.2524	32.34	0.5050E-03	0.6653
700.0	0.9998	0.6668	0.9998	0.3197E-04	0.2811	36.02	0.6560E-03	0.6655
800.0	0.9998	0.6668	0.9998	0.2797E-04	0.3085	39.55	0.8229E-03	0.6657
900.0	0.9998	0.6667	0.9998	0.2486E-04	0.3350	42.95	0.1005E-02	0.6657
1000.	0.9998	0.6667	0.9999	0.2238E-04	0.3606	46.23	0.1202E-02	0.6658
1100.	0.9999	0.6667	0.9999	0.2034E-04	0.3855	49.42	0.1414E-02	0.6658
1200.	0.9999	0.6667	0.9999	0.1865E-04	0.4097	52.52	0.1639E-02	0.6658
1300.	0.9999	0.6667	0.9999	0.1721E-04	0.4333	55.55	0.1878E-02	0.6657
1400.	0.9999	0.6667	0.9999	0.1598E-04	0.4564	58.51	0.2130E-02	0.6657
1500.	0.9999	0.6667	0.9999	0.1492E-04	0.4790	61.40	0.2395E-02	0.6657

PRESSURE = 0.140 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	VSOUND [m/s]
0.8000	147.5	0.5710	0.9077E-02	0.9579	0.4188E-02	0.2224E-01	0.2226E-01	248.1
1.000	147.5	0.4568	0.1995E-01	0.9689	0.1610E-01	0.1031	0.1031	248.0
1.200	147.5	0.3807	0.5955E-01	1.008	0.5158E-01	0.3243	0.3244	248.4
1.400	147.6	0.3262	0.1663	1.115	0.1327	0.7903	0.7907	248.4
1.600	147.7	0.2852	0.4009	1.349	0.2877	1.618	1.620	247.2
1.800	147.9	0.2532	0.8505	1.797	0.5502	2.962	2.970	243.5
2.000	148.2	0.2274	1.653	2.598	0.9698	5.249	5.277	237.0
1 2.054	148.4	0.2200	2.030	2.974	1.155	6.462	6.508	234.5
2 2.154	148.7	0.2103	2.751	3.693	1.495	10.38	10.55	230.5
3 2.163	148.8	0.2094	2.856	3.796	1.543	13.12	13.49	229.8
3 2.165	148.8	0.2092	2.880	3.821	1.555	8.037	8.092	230.5
2 2.174	148.8	0.2083	2.934	3.875	1.579	5.060	5.060	231.3
1 2.254	148.7	0.2002	3.238	4.180	1.717	2.672	2.718	233.1
2.400	148.2	0.1895	3.564	4.508	1.858	2.142	2.246	234.3
2.700	146.6	0.1703	4.204	5.160	2.114	1.972	2.221	232.4
3.000	144.3	0.1557	4.880	5.850	2.356	1.996	2.450	228.5
3.300	141.4	0.1444	5.657	6.647	2.609	2.177	2.879	221.9
3.600	137.8	0.1358	6.567	7.583	2.880	2.335	3.367	212.8
3.900	133.4	0.1295	7.627	8.676	3.171	2.447	3.945	201.5
4.200	127.8	0.1256	8.878	9.974	3.492	2.526	4.777	187.2
4.500	119.8	0.1250	10.45	11.62	3.870	2.594	6.468	167.4
L 4.584	116.8	0.1259	11.00	12.20	3.997	2.615	7.436	160.1
V 4.584	24.09	0.6105	24.47	30.28	7.933	3.158	12.26	100.5
4.800	20.71	0.6779	25.80	32.56	8.420	3.157	9.406	108.0
5.000	18.70	0.7210	26.83	34.32	8.779	3.148	8.309	113.5
5.100	17.89	0.7386	27.31	35.13	8.940	3.144	7.952	116.0
5.300	16.55	0.7685	28.21	36.67	9.235	3.134	7.434	120.7
5.500	15.45	0.7929	29.06	38.12	9.504	3.127	7.074	124.9
6.000	13.39	0.8389	31.05	41.50	10.09	3.114	6.519	134.1
6.500	11.90	0.8712	32.91	44.68	10.60	3.108	6.203	142.2
7.000	10.76	0.8950	34.71	47.72	11.05	3.106	5.999	149.5
8.000	9.084	0.9274	38.18	53.59	11.84	3.107	5.755	162.5
9.000	7.899	0.9480	41.54	59.27	12.51	3.110	5.615	174.1
10.00	7.006	0.9619	44.85	64.83	13.09	3.114	5.526	184.7
12.00	5.738	0.9789	51.37	75.77	14.09	3.119	5.419	203.8
15.00	4.533	0.9913	61.00	91.88	15.29	3.122	5.336	228.8
20.00	3.372	0.9994	76.86	118.4	16.81	3.123	5.273	264.7
25.00	2.690	1.002	92.62	144.7	17.99	3.122	5.243	296.0
30.00	2.239	1.003	108.3	170.8	18.94	3.121	5.227	324.1
40.00	1.679	1.004	139.6	223.0	20.44	3.120	5.211	373.9
50.00	1.343	1.003	170.9	275.1	21.60	3.119	5.204	417.7
60.00	1.120	1.003	202.1	327.1	22.55	3.118	5.200	457.3
80.00	0.8404	1.002	264.5	431.1	24.05	3.118	5.196	527.6
100.0	0.6726	1.002	326.8	535.0	25.21	3.117	5.195	589.6
120.0	0.5607	1.002	389.2	638.9	26.15	3.117	5.194	645.6
140.0	0.4807	1.001	451.5	742.7	26.96	3.117	5.194	697.2
160.0	0.4207	1.001	513.8	846.6	27.65	3.116	5.193	745.2
180.0	0.3740	1.001	576.2	950.5	28.26	3.116	5.193	790.2
200.0	0.3366	1.001	638.5	1054.	28.81	3.116	5.193	832.9
220.0	0.3061	1.001	700.8	1158.	29.30	3.116	5.193	873.5
240.0	0.2806	1.001	763.1	1262.	29.75	3.116	5.193	912.2
260.0	0.2590	1.001	825.4	1366.	30.17	3.116	5.193	949.4
280.0	0.2405	1.001	887.8	1470.	30.55	3.116	5.193	985.2
300.0	0.2245	1.001	950.1	1574.	30.91	3.116	5.193	1020.
350.0	0.1925	1.001	1106.	1833.	31.71	3.116	5.193	1101.
400.0	0.1684	1.000	1262.	2093.	32.41	3.116	5.193	1177.
500.0	0.1347	1.000	1573.	2612.	33.57	3.116	5.193	1316.
600.0	0.1123	1.000	1885.	3132.	34.51	3.116	5.193	1442.
700.0	0.9626E-01	1.000	2196.	3651.	35.31	3.116	5.193	1557.
800.0	0.8423E-01	1.000	2508.	4170.	36.01	3.116	5.193	1665.
900.0	0.7487E-01	1.000	2820.	4689.	36.62	3.116	5.193	1765.
1000.	0.6739E-01	1.000	3131.	5209.	37.17	3.116	5.193	1861.
1100.	0.6126E-01	1.000	3443.	5728.	37.66	3.116	5.193	1952.
1200.	0.5616E-01	1.000	3754.	6247.	38.11	3.116	5.193	2038.
1300.	0.5184E-01	1.000	4066.	6767.	38.53	3.116	5.193	2122.
1400.	0.4814E-01	1.000	4378.	7286.	38.91	3.116	5.193	2202.
1500.	0.4493E-01	1.000	4689.	7805.	39.27	3.116	5.193	2279.

PRESSURE = 0.140 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial E}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m*K]	VISC [μPa*s]	THDIFF [m^2/s]	PRANDTL
0.8000	0.4428E-03	1.530	0.1543E-01	0.5817E-01				
1.000	0.3426E-03	0.2044	0.1543E-01	0.5817E-01				
1.200	-0.7048E-03	-0.1117	0.1539E-01	0.5817E-01				
1.400	-0.3127E-02	-0.1744	0.1538E-01	0.5818E-01				
1.600	-0.7535E-02	-0.1777	0.1553E-01	0.5822E-01				
1.800	-0.1542E-01	-0.1711	0.1600E-01	0.5830E-01				
2.000	-0.3165E-01	-0.1684	0.1691E-01	0.5844E-01				
2.064	-0.4165E-01	-0.1704	0.1729E-01	0.5851E-01				
2.154	-0.8392E-01	-0.1961	0.1801E-01	0.5865E-01				
2.163	-0.1237	-0.2239	0.1831E-01	0.5867E-01				
2.165	-0.4749E-01	-0.1440	0.1783E-01	0.5868E-01				
2.174	-0.2276E-02	-0.1107E-01	0.1759E-01	0.5868E-01				
2.264	0.4429E-01	0.3904	0.1764E-01	0.5861E-01				
2.400	0.6913E-01	0.7042	0.1805E-01	0.5842E-01				
2.700	0.1184	1.067	0.1992E-01	0.5778E-01				
3.000	0.1789	1.271	0.2281E-01	0.5687E-01				
3.300	0.2497	1.293	0.2661E-01	0.5571E-01				
3.600	0.3439	1.285	0.3234E-01	0.5428E-01	0.1842E-01	3.627	0.3968E-07	0.6632
3.900	0.4816	1.271	0.4166E-01	0.5251E-01	0.1883E-01	3.530	0.3577E-07	0.7396
4.200	0.7142	1.247	0.5914E-01	0.5025E-01	0.1900E-01	3.384	0.3113E-07	0.8508
4.500	1.246	1.196	0.1040	0.4708E-01	0.1890E-01	3.168	0.2439E-07	1.084
4.584	1.566	1.177	0.1330	0.4587E-01	0.1882E-01	3.085	0.2168E-07	1.219
4.584	4.005	0.7196	2.235	0.9357E-02	0.1046E-01	1.409	0.3542E-07	1.652
4.800	2.769	0.7148	1.728	0.8044E-02	0.1058E-01	1.431	0.5431E-07	1.273
5.000	2.298	0.7132	1.533	0.7259E-02	0.1079E-01	1.461	0.6946E-07	1.125
5.100	2.146	0.7127	1.470	0.6946E-02	0.1091E-01	1.477	0.7666E-07	1.077
5.300	1.927	0.7119	1.378	0.6423E-02	0.1115E-01	1.511	0.9065E-07	1.007
5.500	1.775	0.7112	1.315	0.5998E-02	0.1141E-01	1.546	0.1043E-06	0.9587
6.000	1.542	0.7092	1.217	0.5195E-02	0.1206E-01	1.636	0.1382E-06	0.8840
6.500	1.409	0.7068	1.161	0.4618E-02	0.1273E-01	1.726	0.1724E-06	0.8409
7.000	1.323	0.7043	1.124	0.4173E-02	0.1340E-01	1.815	0.2076E-06	0.8128
8.000	1.219	0.6994	1.080	0.3523E-02	0.1469E-01	1.989	0.2810E-06	0.7793
9.000	1.159	0.6951	1.055	0.3063E-02	0.1590E-01	2.156	0.3585E-06	0.7613
10.00	1.120	0.6916	1.039	0.2717E-02	0.1704E-01	2.316	0.4402E-06	0.7509
12.00	1.075	0.6862	1.021	0.2224E-02	0.1915E-01	2.617	0.6160E-06	0.7404
15.00	1.041	0.6811	1.008	0.1757E-02	0.2201E-01	3.028	0.9101E-06	0.7342
20.00	1.018	0.6764	1.000	0.1307E-02	0.2627E-01	3.635	0.1478E-05	0.7295
25.00	1.008	0.6738	0.9977	0.1042E-02	0.3015E-01	4.171	0.2138E-05	0.7254
30.00	1.004	0.6723	0.9967	0.8677E-03	0.3377E-01	4.657	0.2885E-05	0.7209
40.00	0.9997	0.6705	0.9963	0.6505E-03	0.4049E-01	5.527	0.4628E-05	0.7114
50.00	0.9984	0.6695	0.9966	0.5205E-03	0.4672E-01	6.305	0.6683E-05	0.7023
60.00	0.9980	0.6689	0.9969	0.4339E-03	0.5259E-01	7.021	0.9031E-05	0.6943
80.00	0.9979	0.6682	0.9975	0.3256E-03	0.6355E-01	8.335	0.1455E-04	0.6815
100.0	0.9981	0.6679	0.9980	0.2606E-03	0.7375E-01	9.547	0.2111E-04	0.6725
120.0	0.9983	0.6676	0.9983	0.2172E-03	0.8337E-01	10.70	0.2863E-04	0.6665
140.0	0.9985	0.6674	0.9985	0.1862E-03	0.9253E-01	11.80	0.3706E-04	0.6626
160.0	0.9986	0.6673	0.9987	0.1630E-03	0.1013	12.88	0.4638E-04	0.6604
180.0	0.9988	0.6672	0.9989	0.1449E-03	0.1098	13.94	0.5653E-04	0.6592
200.0	0.9989	0.6672	0.9990	0.1304E-03	0.1180	15.00	0.6750E-04	0.6602
220.0	0.9990	0.6671	0.9991	0.1186E-03	0.1250	16.04	0.7926E-04	0.6610
240.0	0.9991	0.6671	0.9992	0.1087E-03	0.1338	17.04	0.9179E-04	0.6616
260.0	0.9992	0.6670	0.9992	0.1004E-03	0.1413	18.02	0.1051E-03	0.6621
280.0	0.9992	0.6670	0.9993	0.9319E-04	0.1487	18.98	0.1191E-03	0.6626
300.0	0.9993	0.6670	0.9994	0.8698E-04	0.1560	19.92	0.1338E-03	0.6630
350.0	0.9994	0.6669	0.9995	0.7456E-04	0.1736	22.18	0.1737E-03	0.6637
400.0	0.9995	0.6669	0.9995	0.6525E-04	0.1904	24.35	0.2177E-03	0.6642
500.0	0.9996	0.6668	0.9996	0.5220E-04	0.2223	28.47	0.3177E-03	0.6649
600.0	0.9997	0.6668	0.9997	0.4351E-04	0.2524	32.34	0.4329E-03	0.6653
700.0	0.9997	0.6668	0.9998	0.3729E-04	0.2811	36.02	0.5623E-03	0.6655
800.0	0.9998	0.6668	0.9998	0.3263E-04	0.3085	39.55	0.7054E-03	0.6656
900.0	0.9998	0.6668	0.9998	0.2901E-04	0.3350	42.94	0.8616E-03	0.6657
1000.	0.9998	0.6667	0.9998	0.2611E-04	0.3606	46.23	0.1031E-02	0.6657
1100.	0.9998	0.6667	0.9999	0.2373E-04	0.3855	49.42	0.1212E-02	0.6657
1200.	0.9999	0.6667	0.9999	0.2176E-04	0.4097	52.52	0.1405E-02	0.6657
1300.	0.9999	0.6667	0.9999	0.2008E-04	0.4333	55.55	0.1610E-02	0.6657
1400.	0.9999	0.6667	0.9999	0.1865E-04	0.4564	58.50	0.1826E-02	0.6656
1500.	0.9999	0.6667	0.9999	0.1741E-04	0.4790	61.40	0.2053E-02	0.6656

PRESSURE = 0.160 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	147.9	0.6511	0.1124E-01	1.093	0.4115E-02	0.2216E-01	0.2217E-01	249.8
1.000	147.9	0.5210	0.2212E-01	1.104	0.1605E-01	0.1035	0.1035	249.7
1.200	147.9	0.4341	0.6186E-01	1.144	0.5166E-01	0.3254	0.3254	248.9
1.400	147.9	0.3720	0.1689	1.251	0.1330	0.7922	0.7927	250.0
1.600	148.0	0.3253	0.4041	1.485	0.2884	1.621	1.623	248.7
1.800	148.2	0.2887	0.8549	1.935	0.5514	2.967	2.976	245.0
2.000	148.6	0.2592	1.660	2.737	0.9720	5.261	5.292	238.6
1. 2.062	148.7	0.2511	2.026	3.102	1.151	6.437	6.487	236.1
2. 2.152	149.1	0.2400	2.745	3.818	1.491	10.33	10.51	232.2
3. 2.161	149.2	0.2389	2.849	3.921	1.539	13.06	13.44	231.5
3. 2.163	149.2	0.2387	2.873	3.946	1.550	8.004	8.064	232.2
2. 2.172	149.2	0.2377	2.927	4.000	1.575	5.037	5.038	233.0
1. 2.262	149.0	0.2285	3.228	4.303	1.712	2.658	2.703	234.8
2. 4.00	148.5	0.2161	3.557	4.634	1.854	2.126	2.229	236.2
2. 7.00	147.0	0.1941	4.191	5.280	2.108	1.960	2.203	234.5
3. 0.00	144.8	0.1774	4.858	5.964	2.348	1.986	2.428	230.7
3. 3.00	141.9	0.1645	5.626	6.754	2.598	2.168	2.850	224.3
3. 6.00	138.5	0.1545	6.523	7.679	2.866	2.326	3.324	215.6
3. 9.00	134.2	0.1472	7.563	8.755	3.153	2.438	3.872	204.8
4. 2.00	128.8	0.1424	8.780	10.02	3.466	2.517	4.630	191.3
4. 5.00	121.5	0.1409	10.28	11.59	3.827	2.581	6.027	173.2
L. 4.744	112.1	0.1449	11.96	13.38	4.213	2.644	9.439	151.2
V. 4.744	28.57	0.5683	24.12	29.72	7.650	3.119	15.49	100.6
4.800	26.99	0.5946	24.59	30.52	7.817	3.126	13.27	103.0
5.000	23.32	0.6606	25.92	32.78	8.280	3.132	9.987	109.9
5.100	22.05	0.6851	26.48	33.74	8.469	3.130	9.219	112.8
5.300	20.06	0.7246	27.50	35.48	8.804	3.125	8.255	118.0
5.500	18.53	0.7558	28.43	37.07	9.098	3.120	7.665	122.6
6.000	15.80	0.8123	30.55	40.67	9.725	3.109	6.846	132.6
6.500	13.93	0.8509	32.49	43.98	10.25	3.104	6.419	141.1
7.000	12.52	0.8789	34.34	47.11	10.72	3.103	6.156	148.7
8.000	10.50	0.9167	37.87	53.10	11.52	3.105	5.853	162.0
9.000	9.100	0.9405	41.28	58.86	12.20	3.109	5.684	173.8
10.00	8.053	0.9565	44.62	64.49	12.79	3.113	5.578	184.5
12.00	6.577	0.9759	51.18	75.51	13.80	3.119	5.452	203.8
15.00	5.186	0.9901	60.85	91.70	15.00	3.123	5.356	228.9
20.00	3.854	0.9993	76.76	118.3	16.53	3.124	5.284	264.9
25.00	3.073	1.003	92.54	144.6	17.71	3.123	5.250	286.2
30.00	2.558	1.004	108.3	170.8	18.66	3.122	5.232	324.4
40.00	1.918	1.004	139.6	223.0	20.16	3.121	5.214	374.2
50.00	1.534	1.004	170.8	275.1	21.33	3.119	5.206	417.9
60.00	1.279	1.004	202.1	327.1	22.27	3.119	5.201	457.5
80.00	0.9601	1.003	264.5	431.1	23.77	3.118	5.197	527.8
100.0	0.7685	1.002	326.8	535.0	24.93	3.117	5.195	589.8
120.0	0.6406	1.002	389.2	638.9	25.88	3.117	5.194	645.8
140.0	0.5493	1.002	451.5	742.8	26.68	3.117	5.194	697.3
160.0	0.4807	1.001	513.8	846.7	27.37	3.117	5.193	745.3
180.0	0.4274	1.001	576.2	950.5	27.98	3.116	5.193	790.4
200.0	0.3847	1.001	638.5	1054.	28.53	3.116	5.193	833.0
220.0	0.3498	1.001	700.8	1158.	29.03	3.116	5.193	873.6
240.0	0.3206	1.001	763.1	1262.	29.48	3.116	5.193	912.3
260.0	0.2960	1.001	825.5	1366.	29.89	3.116	5.193	949.5
280.0	0.2749	1.001	887.8	1470.	30.28	3.116	5.193	985.3
300.0	0.2566	1.001	950.1	1574.	30.64	3.116	5.193	1020.
350.0	0.2199	1.001	1106.	1833.	31.44	3.116	5.193	1101.
400.0	0.1925	1.001	1262.	2093.	32.13	3.116	5.193	1177.
500.0	0.1540	1.000	1573.	2612.	33.29	3.116	5.193	1316.
600.0	0.1283	1.000	1885.	3132.	34.24	3.116	5.193	1442.
700.0	0.1100	1.000	2196.	3651.	35.04	3.116	5.193	1557.
800.0	0.9626E-01	1.000	2508.	4170.	35.73	3.116	5.193	1665.
900.0	0.8557E-01	1.000	2820.	4689.	36.34	3.116	5.193	1766.
1000.	0.7701E-01	1.000	3131.	5209.	36.89	3.116	5.193	1861.
1100.	0.7001E-01	1.000	3443.	5728.	37.38	3.116	5.193	1952.
1200.	0.6418E-01	1.000	3754.	6247.	37.83	3.116	5.193	2039.
1300.	0.5924E-01	1.000	4066.	6767.	38.25	3.116	5.193	2122.
1400.	0.5501E-01	1.000	4378.	7286.	38.64	3.116	5.193	2202.
1500.	0.5134E-01	1.000	4689.	7805.	38.99	3.116	5.193	2279.

PRESSURE = 0.160 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial I}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.4240E-03	1.492	0.1735E-01	0.5830E-01				
1.000	0.3593E-03	0.2164	0.1736E-01	0.5830E-01				
1.200	-0.6726E-03	-0.1074	0.1732E-01	0.5830E-01				
1.400	-0.3179E-02	-0.1794	0.1732E-01	0.5831E-01				
1.600	-0.7864E-02	-0.1874	0.1750E-01	0.5835E-01				
1.800	-0.1629E-01	-0.1824	0.1804E-01	0.5843E-01				
2.000	-0.3321E-01	-0.1784	0.1903E-01	0.5858E-01				
2.062	-0.4308E-01	-0.1794	0.1944E-01	0.5865E-01				
2.152	-0.8555E-01	-0.2034	0.2025E-01	0.5880E-01				
2.161	-0.1257	-0.2324	0.2060E-01	0.5882E-01				
2.163	-0.4925E-01	-0.1527	0.2004E-01	0.5883E-01				
2.172	-0.3579E-02	-0.1774E-01	0.1976E-01	0.5883E-01				
2.262	0.4311E-01	0.3884	0.1980E-01	0.5877E-01				
2.400	0.6791E-01	0.7084	0.2024E-01	0.5857E-01				
2.700	0.1158	1.074	0.2224E-01	0.5794E-01				
3.000	0.1745	1.274	0.2538E-01	0.5705E-01				
3.300	0.2427	1.294	0.2946E-01	0.5592E-01				
3.600	0.3322	1.294	0.3553E-01	0.5453E-01	0.1852E-01	3.668	0.4024E-07	0.6584
3.900	0.4602	1.278	0.4516E-01	0.5282E-01	0.1895E-01	3.574	0.3647E-07	0.7303
4.200	0.6681	1.254	0.6247E-01	0.5067E-01	0.1916E-01	3.435	0.3213E-07	0.8301
4.500	1.099	1.214	0.1026	0.4774E-01	0.1911E-01	3.235	0.2610E-07	1.020
4.744	2.244	1.144	0.2230	0.4400E-01	0.1890E-01	2.982	0.1787E-07	1.489
4.744	5.365	0.7384	2.748	0.1110E-01	0.1137E-01	1.498	0.2570E-07	2.040
4.800	4.415	0.7344	2.374	0.1049E-01	0.1128E-01	1.496	0.3151E-07	1.759
5.000	3.009	0.7274	1.813	0.9059E-02	0.1127E-01	1.509	0.4837E-07	1.338
5.100	2.681	0.7254	1.680	0.8563E-02	0.1132E-01	1.520	0.5571E-07	1.238
5.300	2.271	0.7224	1.513	0.7789E-02	0.1149E-01	1.548	0.6938E-07	1.112
5.500	2.021	0.7204	1.411	0.7194E-02	0.1169E-01	1.579	0.8231E-07	1.035
6.000	1.676	0.7174	1.268	0.6134E-02	0.1226E-01	1.662	0.1134E-06	0.9277
6.500	1.496	0.7134	1.194	0.5404E-02	0.1289E-01	1.748	0.1442E-06	0.8707
7.000	1.385	0.7104	1.147	0.4857E-02	0.1353E-01	1.835	0.1756E-06	0.8347
8.000	1.256	0.7044	1.094	0.4074E-02	0.1480E-01	2.005	0.2407E-06	0.7930
9.000	1.184	0.6994	1.064	0.3529E-02	0.1600E-01	2.170	0.3093E-06	0.7710
10.00	1.139	0.6954	1.045	0.3123E-02	0.1713E-01	2.328	0.3813E-06	0.7582
12.00	1.086	0.6894	1.024	0.2550E-02	0.1922E-01	2.626	0.5360E-06	0.7451
15.00	1.047	0.6834	1.010	0.2010E-02	0.2206E-01	3.036	0.7943E-06	0.7370
20.00	1.020	0.6774	1.000	0.1494E-02	0.2631E-01	3.641	0.1292E-05	0.7311
25.00	1.009	0.6744	0.9974	0.1191E-02	0.3018E-01	4.176	0.1871E-05	0.7264
30.00	1.004	0.6734	0.9962	0.9913E-03	0.3380E-01	4.662	0.2525E-05	0.7216
40.00	0.9997	0.6714	0.9958	0.7431E-03	0.4051E-01	5.531	0.4052E-05	0.7118
50.00	0.9982	0.6694	0.9961	0.5946E-03	0.4674E-01	6.308	0.5851E-05	0.7026
60.00	0.9977	0.6684	0.9965	0.4957E-03	0.5261E-01	7.024	0.7907E-05	0.6944
80.00	0.9976	0.6684	0.9972	0.3720E-03	0.6357E-01	8.338	0.1274E-04	0.6816
100.0	0.9978	0.6684	0.9977	0.2977E-03	0.7376E-01	9.550	0.1848E-04	0.6726
120.0	0.9981	0.6674	0.9980	0.2482E-03	0.8338E-01	10.70	0.2506E-04	0.6665
140.0	0.9983	0.6674	0.9983	0.2128E-03	0.9255E-01	11.81	0.3244E-04	0.6626
160.0	0.9985	0.6674	0.9985	0.1862E-03	0.1013	12.89	0.4059E-04	0.6604
180.0	0.9986	0.6674	0.9987	0.1656E-03	0.1098	13.94	0.4948E-04	0.6592
200.0	0.9987	0.6674	0.9989	0.1490E-03	0.1180	15.00	0.5908E-04	0.6602
220.0	0.9989	0.6674	0.9990	0.1355E-03	0.1260	16.04	0.6937E-04	0.6609
240.0	0.9990	0.6674	0.9991	0.1242E-03	0.1338	17.04	0.8034E-04	0.6616
260.0	0.9990	0.6674	0.9991	0.1147E-03	0.1414	18.02	0.9196E-04	0.6621
280.0	0.9991	0.6674	0.9992	0.1065E-03	0.1488	18.98	0.1042E-03	0.6626
300.0	0.9992	0.6674	0.9993	0.9940E-04	0.1560	19.92	0.1171E-03	0.6629
350.0	0.9993	0.6674	0.9994	0.8521E-04	0.1736	22.18	0.1520E-03	0.6637
400.0	0.9994	0.6664	0.9995	0.7456E-04	0.1904	24.35	0.1905E-03	0.6642
500.0	0.9995	0.6664	0.9996	0.5966E-04	0.2223	28.47	0.2780E-03	0.6648
600.0	0.9996	0.6664	0.9997	0.4972E-04	0.2524	32.34	0.3788E-03	0.6652
700.0	0.9997	0.6664	0.9997	0.4262E-04	0.2811	36.02	0.4921E-03	0.6654
800.0	0.9997	0.6664	0.9998	0.3729E-04	0.3086	39.54	0.6173E-03	0.6655
900.0	0.9998	0.6664	0.9998	0.3315E-04	0.3350	42.94	0.7540E-03	0.6656
1000.	0.9998	0.6664	0.9998	0.2984E-04	0.3606	46.23	0.9018E-03	0.6656
1100.	0.9998	0.6664	0.9998	0.2712E-04	0.3855	49.41	0.1060E-02	0.6656
1200.	0.9998	0.6664	0.9999	0.2486E-04	0.4097	52.52	0.1229E-02	0.6656
1300.	0.9998	0.6664	0.9999	0.2295E-04	0.4333	55.54	0.1409E-02	0.6656
1400.	0.9999	0.6664	0.9999	0.2131E-04	0.4564	58.50	0.1598E-02	0.6656
1500.	0.9999	0.6664	0.9999	0.1989E-04	0.4790	61.39	0.1797E-02	0.6655

PRESSURE = 0.180 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
0.8000	148.2	0.7309	0.1365E-01	1.228	0.4045E-02	0.2205E-01	0.2206E-01	251.5
1.000	148.2	0.5848	0.2455E-01	1.239	0.1600E-01	0.1038	0.1039	251.3
1.200	148.2	0.4873	0.6441E-01	1.279	0.5174E-01	0.3265	0.3265	251.5
1.400	148.2	0.4176	0.1718	1.386	0.1333	0.7943	0.7947	251.5
1.600	148.3	0.3651	0.4077	1.621	0.2890	1.624	1.627	250.1
1.800	148.5	0.3241	0.8597	2.072	0.5526	2.973	2.983	246.4
2.000	148.9	0.2909	1.667	2.876	0.9743	5.273	5.307	240.1
1 2.080	149.1	0.2821	2.022	3.229	1.148	6.412	6.466	237.8
2 2.150	149.5	0.2696	2.739	3.943	1.487	10.28	10.47	233.9
3 2.159	149.5	0.2684	2.842	4.046	1.534	12.99	13.39	233.2
3 2.161	149.5	0.2681	2.867	4.071	1.546	7.971	8.037	233.9
2 2.170	149.6	0.2670	2.921	4.124	1.571	5.015	5.015	234.7
1 2.260	149.4	0.2566	3.221	4.426	1.707	2.645	2.688	236.6
2.400	148.9	0.2425	3.551	4.760	1.851	2.111	2.212	238.0
2.700	147.4	0.2178	4.179	5.400	2.102	1.949	2.186	236.6
3.000	145.2	0.1989	4.838	6.078	2.340	1.975	2.407	232.9
3.300	142.4	0.1843	5.597	6.861	2.588	2.159	2.823	226.7
3.600	139.1	0.1731	6.481	7.776	2.853	2.318	3.283	218.2
3.900	134.9	0.1647	7.503	8.837	3.136	2.430	3.807	207.9
4.200	129.8	0.1590	8.690	10.08	3.442	2.508	4.504	195.1
4.500	122.9	0.1566	10.12	11.59	3.789	2.570	5.696	178.4
4.800	112.2	0.1609	12.09	13.69	4.240	2.641	9.190	153.5
L 4.891	106.7	0.1661	12.98	14.67	4.442	2.675	13.04	142.0
V 4.891	34.01	0.5209	23.57	28.87	7.339	3.080	21.98	100.8
5.000	29.78	0.5819	24.69	30.73	7.717	3.100	14.14	105.5
5.100	27.42	0.6197	25.45	32.01	7.970	3.107	11.72	109.1
5.300	24.23	0.6747	26.68	34.11	8.374	3.111	9.548	115.1
5.500	22.04	0.7150	27.73	35.90	8.706	3.110	8.490	120.3
6.000	18.41	0.7843	30.01	39.79	9.383	3.103	7.243	131.0
6.500	16.06	0.8299	32.04	43.25	9.937	3.100	6.665	139.9
7.000	14.35	0.8625	33.95	46.49	10.42	3.098	6.328	147.8
8.000	11.96	0.9059	37.56	52.61	11.24	3.103	5.955	161.5
9.000	10.32	0.9330	41.01	58.46	11.92	3.108	5.755	173.5
10.00	9.111	0.9511	44.39	64.15	12.52	3.112	5.631	184.4
12.00	7.422	0.9730	50.99	75.25	13.54	3.119	5.486	203.8
15.00	5.842	0.9889	60.71	91.52	14.75	3.123	5.377	229.1
20.00	4.336	0.9993	76.66	118.2	16.28	3.125	5.295	265.2
25.00	3.456	1.003	92.46	144.5	17.46	3.124	5.257	296.5
30.00	2.876	1.004	108.2	170.8	18.41	3.123	5.237	324.6
40.00	2.156	1.005	139.5	223.0	19.92	3.121	5.216	374.4
50.00	1.725	1.004	170.8	275.1	21.08	3.120	5.207	418.2
60.00	1.438	1.004	202.0	327.2	22.03	3.119	5.202	457.7
80.00	1.080	1.003	264.5	431.2	23.53	3.118	5.197	528.0
100.0	0.8643	1.003	326.8	535.1	24.69	3.117	5.195	589.9
120.0	0.7205	1.002	389.2	639.0	25.63	3.117	5.194	645.9
140.0	0.6178	1.002	451.5	742.9	26.43	3.117	5.194	697.4
160.0	0.5407	1.002	513.8	846.7	27.13	3.117	5.193	745.4
180.0	0.4807	1.001	576.2	950.6	27.74	3.117	5.193	790.5
200.0	0.4327	1.001	638.5	1054.	28.29	3.116	5.193	833.1
220.0	0.3934	1.001	700.8	1158.	28.78	3.116	5.193	873.7
240.0	0.3607	1.001	763.1	1262.	29.23	3.116	5.193	912.4
260.0	0.3330	1.001	825.5	1366.	29.65	3.116	5.193	949.6
280.0	0.3092	1.001	887.8	1470.	30.03	3.116	5.193	985.4
300.0	0.2886	1.001	950.1	1574.	30.39	3.116	5.193	1020.
350.0	0.2474	1.001	1106.	1833.	31.19	3.116	5.193	1101.
400.0	0.2165	1.001	1262.	2093.	31.88	3.116	5.193	1177.
500.0	0.1732	1.000	1573.	2612.	33.04	3.116	5.193	1316.
600.0	0.1444	1.000	1885.	3132.	33.89	3.116	5.193	1442.
700.0	0.1238	1.000	2196.	3651.	34.79	3.116	5.193	1557.
800.0	0.1083	1.000	2508.	4170.	35.48	3.116	5.193	1665.
900.0	0.9626E-01	1.000	2820.	4690.	36.10	3.116	5.193	1766.
1000.	0.8664E-01	1.000	3131.	5209.	36.64	3.116	5.193	1861.
1100.	0.7876E-01	1.000	3443.	5728.	37.14	3.116	5.193	1952.
1200.	0.7220E-01	1.000	3754.	6247.	37.59	3.116	5.193	2039.
1300.	0.6665E-01	1.000	4066.	6767.	38.01	3.116	5.193	2122.
1400.	0.6189E-01	1.000	4378.	7286.	38.38	3.116	5.193	2202.
1500.	0.5776E-01	1.000	4689.	7805.	38.75	3.116	5.193	2279.

PRESSURE = 0.180 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.4020E-03	1.441	0.1921E-01	0.5843E-01				
1.000	0.3694E-03	0.2247	0.1923E-01	0.5842E-01				
1.200	-0.6488E-03	-0.1048	0.1920E-01	0.5842E-01				
1.400	-0.3238E-02	-0.1840	0.1922E-01	0.5844E-01				
1.600	-0.8194E-02	-0.1969	0.1943E-01	0.5848E-01				
1.800	-0.1713E-01	-0.1938	0.2002E-01	0.5857E-01				
2.000	-0.3471E-01	-0.1885	0.2110E-01	0.5872E-01				
2.060	-0.4442E-01	-0.1886	0.2152E-01	0.5879E-01				
2.150	-0.8716E-01	-0.2117	0.2242E-01	0.5894E-01				
2.159	-0.1276	-0.2401	0.2282E-01	0.5897E-01				
2.161	-0.5097E-01	-0.1605	0.2218E-01	0.5897E-01				
2.170	-0.4843E-02	-0.2451E-01	0.2185E-01	0.5898E-01				
2.260	0.4199E-01	0.3867	0.2188E-01	0.5892E-01				
2.400	0.6677E-01	0.7126	0.2235E-01	0.5872E-01				
2.700	0.1133	1.075	0.2447E-01	0.5811E-01				
3.000	0.1705	1.281	0.2783E-01	0.5723E-01				
3.300	0.2361	1.303	0.3215E-01	0.5613E-01				
3.600	0.3215	1.295	0.3849E-01	0.5477E-01	0.1861E-01	3.709	0.4077E-07	0.6542
3.900	0.4411	1.284	0.4835E-01	0.5312E-01	0.1907E-01	3.617	0.3713E-07	0.7220
4.200	0.6290	1.256	0.6544E-01	0.5106E-01	0.1931E-01	3.484	0.3304E-07	0.8126
4.500	0.9898	1.229	0.1020	0.4833E-01	0.1931E-01	3.297	0.2758E-07	0.9725
4.800	2.155	1.151	0.2369	0.4405E-01	0.1910E-01	3.008	0.1852E-07	1.447
4.891	3.501	1.106	0.4082	0.4185E-01	0.1903E-01	2.864	0.1369E-07	1.962
4.891	8.059	0.7614	3.719	0.1323E-01	0.1256E-01	1.595	0.1680E-07	2.791
5.000	4.753	0.7489	2.475	0.1158E-01	0.1209E-01	1.578	0.2871E-07	1.845
5.100	3.732	0.7429	2.081	0.1066E-01	0.1196E-01	1.578	0.3722E-07	1.546
5.300	2.811	0.7361	1.720	0.9416E-02	0.1195E-01	1.593	0.5162E-07	1.273
5.500	2.364	0.7320	1.542	0.8559E-02	0.1205E-01	1.617	0.6440E-07	1.139
6.000	1.838	0.7257	1.330	0.7149E-02	0.1250E-01	1.691	0.9370E-07	0.9799
6.500	1.595	0.7209	1.231	0.6235E-02	0.1306E-01	1.772	0.1220E-06	0.9041
7.000	1.454	0.7168	1.173	0.5569E-02	0.1368E-01	1.856	0.1506E-06	0.8586
8.000	1.298	0.7095	1.108	0.4639E-02	0.1492E-01	2.022	0.2095E-06	0.8072
9.000	1.210	0.7037	1.073	0.4003E-02	0.1610E-01	2.184	0.2710E-06	0.7807
10.00	1.158	0.6990	1.051	0.3533E-02	0.1721E-01	2.340	0.3356E-06	0.7654
12.00	1.097	0.6919	1.027	0.2878E-02	0.1929E-01	2.636	0.4738E-06	0.7497
15.00	1.053	0.6853	1.011	0.2265E-02	0.2212E-01	3.044	0.7043E-06	0.7398
20.00	1.023	0.6782	1.001	0.1681E-02	0.2636E-01	3.647	0.1148E-05	0.7326
25.00	1.011	0.6759	0.9970	0.1340E-02	0.3022E-01	4.181	0.1663E-05	0.7274
30.00	1.005	0.6739	0.9958	0.1115E-02	0.3383E-01	4.666	0.2246E-05	0.7223
40.00	0.9996	0.6716	0.9953	0.8355E-03	0.4054E-01	5.534	0.3604E-05	0.7122
50.00	0.9980	0.6703	0.9956	0.6686E-03	0.4676E-01	6.311	0.5205E-05	0.7028
60.00	0.9974	0.6686	0.9960	0.5574E-03	0.5263E-01	7.027	0.7033E-05	0.6946
80.00	0.9973	0.6687	0.9968	0.4183E-03	0.6359E-01	8.340	0.1133E-04	0.6817
100.0	0.9975	0.6682	0.9974	0.3349E-03	0.7378E-01	9.552	0.1643E-04	0.6726
120.0	0.9978	0.6679	0.9978	0.2792E-03	0.8340E-01	10.70	0.2228E-04	0.6665
140.0	0.9981	0.6677	0.9981	0.2394E-03	0.9256E-01	11.81	0.2885E-04	0.6626
160.0	0.9983	0.6675	0.9984	0.2095E-03	0.1014	12.89	0.3609E-04	0.6604
180.0	0.9984	0.6674	0.9986	0.1862E-03	0.1098	13.94	0.4400E-04	0.6592
200.0	0.9986	0.6673	0.9987	0.1676E-03	0.1180	15.01	0.5253E-04	0.6601
220.0	0.9987	0.6672	0.9988	0.1524E-03	0.1260	16.04	0.6168E-04	0.6609
240.0	0.9988	0.6672	0.9989	0.1397E-03	0.1338	17.04	0.7143E-04	0.6615
260.0	0.9989	0.6671	0.9990	0.1290E-03	0.1414	18.02	0.8176E-04	0.6621
280.0	0.9990	0.6671	0.9991	0.1198E-03	0.1488	18.98	0.9266E-04	0.6625
300.0	0.9991	0.6671	0.9992	0.1118E-03	0.1560	19.92	0.1041E-03	0.6629
350.0	0.9992	0.6670	0.9993	0.9585E-04	0.1736	22.18	0.1351E-03	0.6636
400.0	0.9993	0.6670	0.9994	0.8388E-04	0.1904	24.35	0.1694E-03	0.6641
500.0	0.9995	0.6669	0.9995	0.6711E-04	0.2224	28.46	0.2472E-03	0.6648
600.0	0.9996	0.6668	0.9996	0.5593E-04	0.2525	32.33	0.3367E-03	0.6651
700.0	0.9996	0.6668	0.9997	0.4794E-04	0.2811	36.02	0.4374E-03	0.6653
800.0	0.9997	0.6668	0.9997	0.4195E-04	0.3086	39.54	0.5487E-03	0.6655
900.0	0.9997	0.6668	0.9998	0.3729E-04	0.3350	42.94	0.6702E-03	0.6655
1000.	0.9998	0.6668	0.9998	0.3356E-04	0.3607	46.22	0.8016E-03	0.6655
1100.	0.9998	0.6668	0.9998	0.3051E-04	0.3855	49.41	0.9426E-03	0.6656
1200.	0.9998	0.6667	0.9998	0.2797E-04	0.4097	52.51	0.1093E-02	0.6655
1300.	0.9998	0.6667	0.9998	0.2582E-04	0.4333	55.54	0.1252E-02	0.6655
1400.	0.9998	0.6667	0.9999	0.2398E-04	0.4564	58.49	0.1420E-02	0.6655
1500.	0.9999	0.6667	0.9999	0.2238E-04	0.4790	61.39	0.1597E-02	0.6655

PRESSURE = 0.200 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
0.8000	148.5	0.8104	0.1631E-01	1.363	0.3979E-02	0.2192E-01	0.2193E-01	253.2
1.000	148.5	0.6484	0.2721E-01	1.374	0.1595E-01	0.1042	0.1042	253.0
1.200	148.5	0.5403	0.6721E-01	1.414	0.5181E-01	0.3276	0.3276	253.1
1.400	148.5	0.4630	0.1750	1.522	0.1337	0.7964	0.7969	252.9
1.600	148.6	0.4048	0.4116	1.757	0.2897	1.628	1.631	251.5
1.800	148.9	0.3593	0.8649	2.208	0.5540	2.979	2.990	247.8
2.000	149.3	0.3225	1.675	3.015	0.9766	5.285	5.323	241.7
1 2.058	149.4	0.3130	2.018	3.356	1.145	6.386	6.444	239.5
2 2.148	149.8	0.2991	2.733	4.067	1.482	10.23	10.43	235.6
3 2.157	149.9	0.2978	2.836	4.170	1.530	12.92	13.34	234.8
3 2.159	149.9	0.2974	2.861	4.195	1.542	7.939	8.010	235.6
2 2.168	149.9	0.2962	2.915	4.249	1.567	4.992	4.993	236.4
1 2.258	149.8	0.2847	3.213	4.549	1.702	2.632	2.673	238.3
2.400	149.3	0.2688	3.545	4.885	1.847	2.097	2.195	239.8
2.700	147.8	0.2413	4.167	5.520	2.096	1.937	2.169	238.7
3.000	145.7	0.2203	4.819	6.192	2.332	1.966	2.387	235.1
3.300	143.0	0.2041	5.569	6.968	2.578	2.150	2.797	229.0
3.600	139.7	0.1915	6.442	7.874	2.841	2.310	3.246	220.9
3.900	135.6	0.1820	7.446	8.921	3.120	2.422	3.747	210.9
4.200	130.7	0.1754	8.606	10.14	3.420	2.499	4.395	198.8
4.500	124.3	0.1722	9.986	11.59	3.755	2.559	5.434	183.2
4.800	114.8	0.1747	11.79	13.53	4.170	2.623	7.942	161.2
5.000	102.8	0.1872	13.74	15.68	4.609	2.696	16.58	137.1
L 5.026	99.90	0.1917	14.17	16.17	4.707	2.714	21.51	132.1
V 5.026	41.47	0.4619	22.66	27.48	6.953	3.034	41.36	101.3
5.100	35.82	0.5271	23.89	29.47	7.346	3.064	20.02	104.8
5.300	29.54	0.6150	25.66	32.43	7.916	3.089	11.94	112.0
5.500	26.16	0.6691	26.93	34.57	8.312	3.095	9.739	117.8
6.000	21.26	0.7547	29.44	38.84	9.057	3.096	7.737	129.4
6.500	18.33	0.8083	31.58	42.49	9.642	3.094	6.947	138.8
7.000	16.26	0.8458	33.55	45.85	10.14	3.095	6.519	146.9
8.000	13.45	0.8950	37.24	52.11	10.98	3.100	6.064	161.0
9.000	11.56	0.9255	40.75	58.05	11.68	3.106	5.828	173.3
10.00	10.18	0.9457	44.15	63.80	12.28	3.112	5.685	184.3
12.00	8.271	0.9700	50.81	74.99	13.30	3.119	5.520	203.8
15.00	6.498	0.9877	60.56	91.34	14.52	3.124	5.398	229.2
20.00	4.818	0.9992	76.55	118.1	16.06	3.125	5.306	265.4
25.00	3.839	1.003	92.38	144.5	17.24	3.125	5.264	296.8
30.00	3.194	1.005	108.1	170.7	18.19	3.124	5.242	324.9
40.00	2.395	1.005	139.5	223.0	19.70	3.122	5.219	374.7
50.00	1.916	1.005	170.8	275.2	20.86	3.120	5.209	418.4
60.00	1.598	1.004	202.0	327.2	21.81	3.119	5.203	458.0
80.00	1.199	1.004	264.4	431.2	23.31	3.118	5.198	528.2
100.0	0.9600	1.003	326.8	535.1	24.47	3.118	5.196	590.1
120.0	0.8004	1.002	389.2	639.1	25.41	3.117	5.195	646.1
140.0	0.6863	1.002	451.5	742.9	26.21	3.117	5.194	697.6
160.0	0.6007	1.002	513.8	846.8	26.91	3.117	5.194	745.5
180.0	0.5340	1.002	576.2	950.7	27.52	3.117	5.193	790.6
200.0	0.4807	1.001	638.5	1055.	28.07	3.117	5.193	833.2
220.0	0.4371	1.001	700.8	1158.	28.56	3.116	5.193	873.8
240.0	0.4007	1.001	763.1	1262.	29.01	3.116	5.193	912.5
260.0	0.3699	1.001	825.5	1366.	29.43	3.116	5.193	949.7
280.0	0.3435	1.001	887.8	1470.	29.81	3.116	5.193	985.5
300.0	0.3206	1.001	950.1	1574.	30.17	3.116	5.193	1020.
350.0	0.2749	1.001	1106.	1833.	30.97	3.116	5.193	1102.
400.0	0.2405	1.001	1262.	2093.	31.67	3.116	5.193	1177.
500.0	0.1925	1.001	1573.	2612.	32.82	3.116	5.193	1316.
600.0	0.1604	1.000	1885.	3132.	33.77	3.116	5.193	1442.
700.0	0.1375	1.000	2196.	3651.	34.57	3.116	5.193	1557.
800.0	0.1203	1.000	2508.	4170.	35.27	3.116	5.193	1665.
900.0	0.1070	1.000	2820.	4690.	35.88	3.116	5.193	1766.
1000.	0.9626E-01	1.000	3131.	5209.	36.42	3.116	5.193	1861.
1100.	0.8751E-01	1.000	3443.	5728.	36.92	3.116	5.193	1952.
1200.	0.8022E-01	1.000	3754.	6247.	37.37	3.116	5.193	2039.
1300.	0.7405E-01	1.000	4066.	6767.	37.79	3.116	5.193	2122.
1400.	0.6876E-01	1.000	4378.	7286.	38.17	3.116	5.193	2202.
1500.	0.6418E-01	1.000	4689.	7805.	38.53	3.116	5.193	2279.

PRESSURE = 0.200 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.3779E-03	1.381	0.2101E-01	0.5856E-01				
1.000	0.3726E-03	0.2289	0.2104E-01	0.5855E-01				
1.200	-0.6359E-03	-0.1036	0.2103E-01	0.5855E-01				
1.400	-0.3307E-02	-0.1896	0.2106E-01	0.5857E-01				
1.600	-0.8526E-02	-0.2067	0.2131E-01	0.5861E-01				
1.800	-0.1795E-01	-0.2049	0.2195E-01	0.5870E-01				
2.000	-0.3615E-01	-0.1983	0.2311E-01	0.5886E-01				
2.058	-0.4570E-01	-0.1976	0.2354E-01	0.5893E-01				
2.148	-0.8874E-01	-0.2197	0.2452E-01	0.5809E-01				
2.157	-0.1296	-0.2484	0.2497E-01	0.5911E-01				
2.159	-0.5265E-01	-0.1689	0.2426E-01	0.5912E-01				
2.168	-0.6069E-02	-0.3131E-01	0.2389E-01	0.5912E-01				
2.258	0.4091E-01	0.3847	0.2389E-01	0.5906E-01				
2.400	0.6570E-01	0.7173	0.2439E-01	0.5886E-01				
2.700	0.1110	1.079	0.2661E-01	0.5827E-01				
3.000	0.1666	1.286	0.3017E-01	0.5741E-01				
3.300	0.2300	1.308	0.3469E-01	0.5633E-01				
3.600	0.3115	1.300	0.4126E-01	0.5501E-01	0.1871E-01	3.748	0.4128E-07	0.6503
3.900	0.4239	1.290	0.5128E-01	0.5340E-01	0.1919E-01	3.659	0.3775E-07	0.7146
4.200	0.5952	1.274	0.6811E-01	0.5142E-01	0.1946E-01	3.531	0.3388E-07	0.7975
4.500	0.9047	1.242	0.1018	0.4886E-01	0.1950E-01	3.355	0.2887E-07	0.9351
4.800	1.725	1.176	0.2030	0.4509E-01	0.1933E-01	3.098	0.2120E-07	1.273
5.000	4.766	1.080	0.6364	0.4033E-01	0.1924E-01	2.791	0.1128E-07	2.405
5.026	6.551	1.057	0.9093	0.3916E-01	0.1931E-01	2.720	0.8983E-08	3.031
5.026	15.99	0.7900	6.402	0.1615E-01	0.1446E-01	1.716	0.8432E-08	4.908
5.100	7.173	0.7717	3.321	0.1393E-01	0.1325E-01	1.671	0.1848E-07	2.524
5.300	3.801	0.7538	2.085	0.1148E-01	0.1262E-01	1.651	0.3577E-07	1.562
5.500	2.879	0.7457	1.733	0.1017E-01	0.1252E-01	1.662	0.4914E-07	1.293
6.000	2.039	0.7352	1.405	0.8258E-02	0.1277E-01	1.722	0.7762E-07	1.044
6.500	1.709	0.7287	1.272	0.7115E-02	0.1326E-01	1.798	0.1041E-06	0.9421
7.000	1.529	0.7235	1.200	0.6312E-02	0.1383E-01	1.877	0.1305E-06	0.8846
8.000	1.338	0.7149	1.122	0.5218E-02	0.1504E-01	2.039	0.1844E-06	0.8221
9.000	1.237	0.7082	1.082	0.4484E-02	0.1620E-01	2.198	0.2405E-06	0.7907
10.00	1.177	0.7028	1.057	0.3949E-02	0.1731E-01	2.353	0.2991E-06	0.7727
12.00	1.108	0.6948	1.030	0.3208E-02	0.1937E-01	2.646	0.4242E-06	0.7542
15.00	1.058	0.6873	1.012	0.2519E-02	0.2218E-01	3.052	0.6324E-06	0.7425
20.00	1.025	0.6806	1.001	0.1868E-02	0.2640E-01	3.653	0.1033E-05	0.7341
25.00	1.012	0.6769	0.9967	0.1488E-02	0.3025E-01	4.186	0.1497E-05	0.7283
30.00	1.005	0.6747	0.9953	0.1238E-02	0.3386E-01	4.670	0.2022E-05	0.7229
40.00	0.9996	0.6721	0.9948	0.9279E-03	0.4056E-01	5.538	0.3246E-05	0.7125
50.00	0.9978	0.6708	0.9951	0.7425E-03	0.4678E-01	6.315	0.4687E-05	0.7030
60.00	0.9971	0.6699	0.9956	0.6190E-03	0.5265E-01	7.030	0.6334E-05	0.6948
80.00	0.9970	0.6689	0.9964	0.4647E-03	0.6361E-01	8.343	0.1020E-04	0.6818
100.0	0.9973	0.6684	0.9971	0.3720E-03	0.7380E-01	9.555	0.1480E-04	0.6727
120.0	0.9976	0.6680	0.9976	0.3101E-03	0.8342E-01	10.70	0.2006E-04	0.6665
140.0	0.9978	0.6678	0.9979	0.2659E-03	0.9258E-01	11.81	0.2597E-04	0.6626
160.0	0.9981	0.6676	0.9982	0.2327E-03	0.1014	12.89	0.3250E-04	0.6604
180.0	0.9983	0.6675	0.9984	0.2069E-03	0.1099	13.94	0.3961E-04	0.6592
200.0	0.9984	0.6674	0.9986	0.1862E-03	0.1181	15.01	0.4729E-04	0.6601
220.0	0.9986	0.6673	0.9987	0.1693E-03	0.1260	16.04	0.5553E-04	0.6609
240.0	0.9987	0.6672	0.9988	0.1552E-03	0.1338	17.04	0.6430E-04	0.6615
260.0	0.9988	0.6672	0.9989	0.1433E-03	0.1414	18.02	0.7360E-04	0.6620
280.0	0.9989	0.6672	0.9990	0.1331E-03	0.1488	18.98	0.8341E-04	0.6625
300.0	0.9990	0.6671	0.9991	0.1242E-03	0.1561	19.92	0.9372E-04	0.6628
350.0	0.9991	0.6670	0.9992	0.1065E-03	0.1736	22.18	0.1216E-03	0.6636
400.0	0.9992	0.6670	0.9993	0.9319E-04	0.1904	24.35	0.1525E-03	0.6641
500.0	0.9994	0.6669	0.9995	0.7456E-04	0.2224	28.46	0.2225E-03	0.6647
600.0	0.9995	0.6669	0.9996	0.6214E-04	0.2525	32.33	0.3031E-03	0.6651
700.0	0.9996	0.6668	0.9997	0.5327E-04	0.2811	36.01	0.3937E-03	0.6653
800.0	0.9997	0.6668	0.9997	0.4661E-04	0.3086	39.54	0.4939E-03	0.6654
900.0	0.9997	0.6668	0.9997	0.4143E-04	0.3351	42.93	0.6033E-03	0.6654
1000.	0.9997	0.6668	0.9998	0.3729E-04	0.3607	46.22	0.7215E-03	0.6655
1100.	0.9998	0.6668	0.9998	0.3390E-04	0.3855	49.41	0.8484E-03	0.6655
1200.	0.9998	0.6668	0.9998	0.3108E-04	0.4097	52.51	0.9836E-03	0.6655
1300.	0.9998	0.6667	0.9998	0.2869E-04	0.4334	55.53	0.1127E-02	0.6654
1400.	0.9998	0.6667	0.9998	0.2664E-04	0.4564	58.49	0.1278E-02	0.6654
1500.	0.9998	0.6667	0.9999	0.2486E-04	0.4791	61.38	0.1437E-02	0.6654

PRESSURE = 0.210 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	148.7	0.8501	0.1773E-01	1.430	0.3948E-02	0.2185E-01	0.2186E-01	254.1
1.000	148.6	0.6801	0.2863E-01	1.441	0.1593E-01	0.1043	0.1043	253.9
1.200	148.6	0.5668	0.6870E-01	1.481	0.5184E-01	0.3281	0.3281	253.9
1.400	148.7	0.4857	0.1767	1.589	0.1338	0.7975	0.7980	253.6
1.600	148.8	0.4246	0.4136	1.825	0.2901	1.630	1.633	252.2
1.800	149.0	0.3769	0.8676	2.277	0.5546	2.982	2.993	248.5
2.000	149.4	0.3382	1.679	3.084	0.9778	5.291	5.331	242.4
1 2.057	149.6	0.3284	2.016	3.420	1.143	6.374	6.433	240.3
2 2.147	150.0	0.3139	2.730	4.130	1.480	10.21	10.41	236.4
3 2.156	150.1	0.3124	2.833	4.232	1.528	12.89	13.31	235.7
3 2.158	150.1	0.3121	2.858	4.258	1.540	7.923	7.996	236.4
2 2.167	150.1	0.3108	2.912	4.311	1.565	4.981	4.982	237.2
1 2.257	149.9	0.2987	3.210	4.610	1.700	2.625	2.666	238.1
2.400	149.5	0.2818	3.542	4.847	1.845	2.089	2.187	240.7
2.700	148.0	0.2530	4.161	5.581	2.094	1.932	2.161	239.7
3.000	145.9	0.2310	4.810	6.250	2.328	1.961	2.377	236.1
3.300	143.2	0.2139	5.555	7.022	2.574	2.146	2.784	230.2
3.600	139.9	0.2007	6.422	7.923	2.835	2.306	3.228	222.1
3.900	136.0	0.1906	7.419	8.963	3.112	2.418	3.719	212.4
4.200	131.1	0.1836	8.566	10.17	3.409	2.495	4.345	200.5
4.500	124.9	0.1799	9.923	11.60	3.739	2.554	5.323	185.5
4.800	115.9	0.1817	11.66	13.47	4.140	2.615	7.516	164.6
5.000	105.6	0.1914	13.40	15.39	4.530	2.678	13.15	143.2
L 5.090	95.51	0.2080	14.90	17.10	4.869	2.740	31.97	126.8
V 5.090	47.17	0.4210	21.88	26.33	6.680	3.003	80.45	102.1
5.100	44.93	0.4411	22.29	26.96	6.803	3.015	52.68	102.5
5.300	32.94	0.5791	25.03	31.40	7.661	3.073	14.14	110.4
5.500	28.56	0.6436	26.47	33.82	8.109	3.086	10.64	116.5
6.000	22.79	0.7392	29.13	38.35	8.898	3.091	8.031	128.6
6.500	19.51	0.7972	31.34	42.10	9.500	3.091	7.105	138.2
7.000	17.25	0.8373	33.35	45.52	10.01	3.093	6.621	146.5
8.000	14.21	0.8896	37.08	51.86	10.85	3.099	6.121	160.8
9.000	12.19	0.9217	40.61	57.84	11.56	3.105	5.866	173.1
10.00	10.72	0.9430	44.04	63.63	12.17	3.111	5.712	184.2
12.00	8.698	0.9686	50.71	74.85	13.19	3.119	5.537	203.8
15.00	6.827	0.9872	60.49	91.25	14.41	3.124	5.408	229.3
20.00	5.059	0.9992	76.50	118.0	15.95	3.126	5.312	265.5
25.00	4.030	1.003	92.35	144.5	17.13	3.125	5.268	296.9
30.00	3.353	1.005	108.1	170.7	18.09	3.124	5.244	325.0
40.00	2.514	1.006	139.5	223.0	19.60	3.122	5.220	374.8
50.00	2.012	1.005	170.8	275.2	20.76	3.121	5.209	418.5
60.00	1.677	1.005	202.0	327.2	21.71	3.120	5.204	458.1
80.00	1.259	1.004	264.4	431.2	23.21	3.118	5.198	528.3
100.0	1.008	1.003	326.8	535.2	24.36	3.118	5.196	590.2
120.0	0.8403	1.003	389.2	639.1	25.31	3.117	5.195	646.2
140.0	0.7205	1.002	451.5	743.0	26.11	3.117	5.194	697.7
160.0	0.6306	1.002	513.8	846.8	26.81	3.117	5.194	745.6
180.0	0.5607	1.002	576.2	950.7	27.42	3.117	5.193	790.7
200.0	0.5047	1.002	638.5	1055.	27.97	3.117	5.193	833.3
220.0	0.4589	1.001	700.8	1158.	28.46	3.116	5.193	873.8
240.0	0.4207	1.001	763.1	1262.	28.91	3.116	5.193	912.6
260.0	0.3884	1.001	825.5	1366.	29.33	3.116	5.193	948.7
280.0	0.3607	1.001	887.8	1470.	29.71	3.116	5.193	985.5
300.0	0.3367	1.001	950.1	1574.	30.07	3.116	5.193	1020.
350.0	0.2886	1.001	1106.	1834.	30.87	3.116	5.193	1102.
400.0	0.2526	1.001	1262.	2093.	31.56	3.116	5.193	1178.
500.0	0.2021	1.001	1573.	2612.	32.72	3.116	5.193	1316.
600.0	0.1684	1.000	1885.	3132.	33.67	3.116	5.193	1442.
700.0	0.1444	1.000	2196.	3651.	34.47	3.116	5.193	1557.
800.0	0.1263	1.000	2508.	4170.	35.16	3.116	5.193	1665.
900.0	0.1123	1.000	2820.	4690.	35.78	3.116	5.193	1766.
1000.	0.1011	1.000	3131.	5209.	36.32	3.116	5.193	1861.
1100.	0.9189E-01	1.000	3443.	5728.	36.82	3.116	5.193	1952.
1200.	0.8423E-01	1.000	3754.	6248.	37.27	3.116	5.193	2039.
1300.	0.7775E-01	1.000	4066.	6767.	37.69	3.116	5.193	2122.
1400.	0.7220E-01	1.000	4378.	7286.	38.07	3.116	5.193	2202.
1500.	0.6739E-01	1.000	4689.	7805.	38.43	3.116	5.193	2279.

PRESSURE = 0.210 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.3653E-03	1.348	0.2189E-01	0.5862E-01				
1.000	0.3714E-03	0.2294	0.2193E-01	0.5861E-01				
1.200	-0.6340E-03	-0.1038	0.2192E-01	0.5861E-01				
1.400	-0.3347E-02	-0.1927	0.2197E-01	0.5863E-01				
1.600	-0.8693E-02	-0.2116	0.2223E-01	0.5867E-01				
1.800	-0.1835E-01	-0.2103	0.2290E-01	0.5877E-01				
2.000	-0.3684E-01	-0.2031	0.2409E-01	0.5893E-01				
2.057	-0.4631E-01	-0.2021	0.2453E-01	0.5900E-01				
2.147	-0.8953E-01	-0.2238	0.2555E-01	0.5916E-01				
2.156	-0.1305	-0.2526	0.2603E-01	0.5918E-01				
2.158	-0.5347E-01	-0.1731	0.2528E-01	0.5919E-01				
2.167	-0.6666E-02	-0.3473E-01	0.2488E-01	0.5919E-01				
2.257	0.4039E-01	0.3837	0.2487E-01	0.5913E-01				
2.400	0.6519E-01	0.7197	0.2538E-01	0.5894E-01				
2.700	0.1098	1.081	0.2764E-01	0.5834E-01				
3.000	0.1647	1.288	0.3130E-01	0.5750E-01				
3.300	0.2271	1.310	0.3591E-01	0.5643E-01				
3.600	0.3068	1.303	0.4257E-01	0.5512E-01	0.1876E-01	3.768	0.4152E-07	0.6485
3.900	0.4160	1.293	0.5266E-01	0.5354E-01	0.1925E-01	3.680	0.3805E-07	0.7111
4.200	0.5800	1.278	0.6935E-01	0.5160E-01	0.1953E-01	3.554	0.3428E-07	0.7907
4.500	0.8688	1.247	0.1019	0.4911E-01	0.1959E-01	3.383	0.2946E-07	0.9192
4.800	1.580	1.186	0.1921	0.4554E-01	0.1944E-01	3.138	0.2231E-07	1.213
5.000	3.540	1.104	0.4758	0.4144E-01	0.1931E-01	2.871	0.1390E-07	1.955
5.090	10.39	1.026	1.597	0.3742E-01	0.1961E-01	2.630	0.6421E-08	4.288
5.090	31.83	0.8104	11.44	0.1838E-01	0.1641E-01	1.802	0.4324E-08	8.836
5.100	20.52	0.8030	7.766	0.1750E-01	0.1545E-01	1.778	0.6525E-08	6.062
5.300	4.706	0.7654	2.406	0.1281E-01	0.1311E-01	1.689	0.2814E-07	1.822
5.500	3.248	0.7537	1.867	0.1110E-01	0.1282E-01	1.689	0.4219E-07	1.401
6.000	2.159	0.7404	1.448	0.8854E-02	0.1292E-01	1.739	0.7059E-07	1.081
6.500	1.772	0.7328	1.295	0.7576E-02	0.1336E-01	1.811	0.9638E-07	0.9631
7.000	1.570	0.7269	1.214	0.6696E-02	0.1392E-01	1.888	0.1219E-06	0.8985
8.000	1.359	0.7176	1.129	0.5513E-02	0.1510E-01	2.048	0.1737E-06	0.8298
9.000	1.251	0.7104	1.086	0.4728E-02	0.1626E-01	2.205	0.2274E-06	0.7957
10.00	1.186	0.7047	1.060	0.4158E-02	0.1736E-01	2.359	0.2834E-06	0.7764
12.00	1.113	0.6963	1.032	0.3373E-02	0.1941E-01	2.651	0.4030E-06	0.7564
15.00	1.062	0.6884	1.012	0.2647E-02	0.2221E-01	3.055	0.6016E-06	0.7438
20.00	1.027	0.6813	1.001	0.1961E-02	0.2643E-01	3.655	0.9834E-06	0.7348
25.00	1.012	0.6774	0.9965	0.1562E-02	0.3027E-01	4.188	0.1426E-05	0.7288
30.00	1.005	0.6751	0.9950	0.1300E-02	0.3388E-01	4.672	0.1926E-05	0.7232
40.00	0.9995	0.6724	0.9945	0.9741E-03	0.4058E-01	5.540	0.3092E-05	0.7127
50.00	0.9976	0.6710	0.9949	0.7795E-03	0.4679E-01	6.316	0.4466E-05	0.7031
60.00	0.9970	0.6701	0.9954	0.6499E-03	0.5266E-01	7.032	0.6034E-05	0.6948
80.00	0.9969	0.6690	0.9963	0.4878E-03	0.6362E-01	8.344	0.9721E-05	0.6818
100.0	0.9971	0.6684	0.9969	0.3905E-03	0.7381E-01	9.556	0.1409E-04	0.6727
120.0	0.9974	0.6681	0.9974	0.3256E-03	0.8343E-01	10.70	0.1911E-04	0.6666
140.0	0.9977	0.6678	0.9978	0.2792E-03	0.9259E-01	11.81	0.2474E-04	0.6626
160.0	0.9980	0.6677	0.9981	0.2443E-03	0.1014	12.89	0.3095E-04	0.6604
180.0	0.9982	0.6675	0.9983	0.2172E-03	0.1099	13.94	0.3773E-04	0.6591
200.0	0.9984	0.6674	0.9985	0.1955E-03	0.1181	15.01	0.4505E-04	0.6601
220.0	0.9985	0.6673	0.9986	0.1778E-03	0.1260	16.04	0.5289E-04	0.6609
240.0	0.9986	0.6673	0.9988	0.1630E-03	0.1338	17.04	0.6125E-04	0.6615
260.0	0.9987	0.6672	0.9989	0.1505E-03	0.1414	18.02	0.7010E-04	0.6620
280.0	0.9988	0.6672	0.9990	0.1397E-03	0.1488	18.98	0.7944E-04	0.6625
300.0	0.9989	0.6671	0.9990	0.1304E-03	0.1561	19.92	0.8926E-04	0.6628
350.0	0.9991	0.6671	0.9992	0.1118E-03	0.1736	22.18	0.1158E-03	0.6635
400.0	0.9992	0.6670	0.9993	0.9785E-04	0.1904	24.35	0.1452E-03	0.6640
500.0	0.9994	0.6669	0.9995	0.7829E-04	0.2224	28.46	0.2119E-03	0.6647
600.0	0.9995	0.6669	0.9996	0.6525E-04	0.2525	32.33	0.2887E-03	0.6650
700.0	0.9996	0.6668	0.9996	0.5593E-04	0.2811	36.01	0.3750E-03	0.6652
800.0	0.9996	0.6668	0.9997	0.4894E-04	0.3086	39.54	0.4704E-03	0.6653
900.0	0.9997	0.6668	0.9997	0.4351E-04	0.3351	42.93	0.5745E-03	0.6654
1000.	0.9997	0.6668	0.9998	0.3916E-04	0.3607	46.22	0.6872E-03	0.6654
1100.	0.9998	0.6668	0.9998	0.3560E-04	0.3855	49.40	0.8080E-03	0.6654
1200.	0.9998	0.6668	0.9998	0.3263E-04	0.4097	52.51	0.9368E-03	0.6654
1300.	0.9998	0.6668	0.9998	0.3012E-04	0.4334	55.53	0.1073E-02	0.6654
1400.	0.9998	0.6667	0.9998	0.2797E-04	0.4565	58.49	0.1217E-02	0.6654
1500.	0.9998	0.6667	0.9999	0.2611E-04	0.4791	61.38	0.1369E-02	0.6653

PRESSURE = 0.230 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	149.0	0.9291	0.2074E-01	1.565	0.3889E-02	0.2170E-01	0.2171E-01	255.8
1.000	149.0	0.7434	0.3165E-01	1.576	0.1588E-01	0.1046	0.1046	255.5
1.200	149.0	0.6195	0.7185E-01	1.616	0.5191E-01	0.3292	0.3292	255.4
1.400	149.0	0.5308	0.1802	1.724	0.1341	0.7998	0.8003	255.1
1.600	149.1	0.4641	0.4179	1.960	0.2908	1.634	1.637	253.5
1.800	149.3	0.4119	0.8733	2.413	0.5560	2.988	3.001	249.9
2.000	149.8	0.3696	1.687	3.223	0.9804	5.303	5.346	244.0
1.2055	150.0	0.3593	2.013	3.547	1.140	6.348	6.412	242.0
2.2145	150.4	0.3433	2.724	4.254	1.476	10.16	10.37	238.0
3.2154	150.4	0.3417	2.827	4.356	1.524	12.82	13.26	237.3
3.2156	150.4	0.3413	2.853	4.382	1.536	7.891	7.969	238.0
2.2165	150.4	0.3399	2.906	4.435	1.560	4.959	4.960	238.8
1.2255	150.3	0.3266	3.203	4.733	1.695	2.612	2.651	240.8
2.4000	149.8	0.3080	3.537	5.072	1.841	2.075	2.171	242.5
2.7000	148.4	0.2764	4.151	5.701	2.088	1.921	2.145	241.7
3.0000	146.3	0.2523	4.792	6.364	2.321	1.951	2.358	238.2
3.3000	143.7	0.2335	5.529	7.130	2.564	2.137	2.760	232.4
3.6000	140.5	0.2189	6.386	8.023	2.823	2.298	3.194	224.6
3.9000	136.7	0.2077	7.367	9.050	3.096	2.411	3.667	215.2
4.2000	132.0	0.1998	8.491	10.23	3.389	2.487	4.253	203.9
4.5000	126.1	0.1952	9.805	11.63	3.709	2.545	5.129	189.8
4.8000	117.9	0.1957	11.44	13.39	4.088	2.602	6.879	170.8
5.0000	109.5	0.2022	12.93	15.03	4.422	2.653	10.10	152.9
5.1000	102.8	0.2111	14.01	16.24	4.662	2.694	15.12	140.4
5.3000	43.45	0.4808	23.15	28.44	7.001	3.022	27.33	107.5
5.5000	34.41	0.5850	25.37	32.06	7.672	3.061	13.57	114.1
6.0000	26.12	0.7065	28.48	37.29	8.585	3.081	8.749	127.0
6.5000	22.00	0.7743	30.84	41.29	9.227	3.085	7.461	137.1
7.0000	19.29	0.8201	32.93	44.85	9.755	3.088	6.844	145.7
8.0000	15.75	0.8785	36.75	51.35	10.62	3.096	6.240	160.3
9.0000	13.46	0.9141	40.34	57.43	11.34	3.104	5.943	172.9
10.0000	11.81	0.9376	43.80	63.28	11.96	3.110	5.768	184.1
12.0000	9.555	0.9657	50.52	74.59	12.99	3.119	5.572	203.9
15.0000	7.486	0.9860	60.35	91.07	14.21	3.125	5.429	229.5
20.0000	5.541	0.9991	76.40	117.9	15.76	3.127	5.323	265.8
25.0000	4.413	1.004	92.27	144.4	16.94	3.126	5.275	297.1
30.0000	3.671	1.005	108.0	170.7	17.90	3.125	5.249	325.3
40.0000	2.752	1.006	139.4	223.0	19.41	3.123	5.223	375.0
50.0000	2.202	1.006	170.7	275.2	20.57	3.121	5.211	418.8
60.0000	1.836	1.005	202.0	327.3	21.52	3.120	5.205	458.3
80.0000	1.378	1.004	264.4	431.3	23.02	3.119	5.199	528.5
100.0000	1.104	1.003	326.8	535.2	24.18	3.118	5.196	590.3
120.0000	0.9201	1.003	389.2	639.1	25.12	3.117	5.195	646.3
140.0000	0.7890	1.002	451.5	743.0	25.92	3.117	5.194	697.8
160.0000	0.6906	1.002	513.9	846.9	26.62	3.117	5.194	745.7
180.0000	0.6140	1.002	576.2	950.8	27.23	3.117	5.193	790.8
200.0000	0.5527	1.002	638.5	1055.	27.78	3.117	5.193	833.4
220.0000	0.5025	1.001	700.8	1159.	28.27	3.117	5.193	873.9
240.0000	0.4607	1.001	763.2	1262.	28.72	3.116	5.193	912.7
260.0000	0.4253	1.001	825.5	1366.	29.14	3.116	5.193	949.8
280.0000	0.3950	1.001	887.8	1470.	29.52	3.116	5.193	985.6
300.0000	0.3687	1.001	950.1	1574.	29.88	3.116	5.193	1020.
350.0000	0.3161	1.001	1106.	1834.	30.68	3.116	5.193	1102.
400.0000	0.2766	1.001	1262.	2093.	31.38	3.116	5.193	1178.
500.0000	0.2213	1.001	1573.	2613.	32.53	3.116	5.193	1316.
600.0000	0.1845	1.000	1885.	3132.	33.48	3.116	5.193	1442.
700.0000	0.1581	1.000	2186.	3651.	34.28	3.116	5.193	1557.
800.0000	0.1384	1.000	2508.	4170.	34.98	3.116	5.193	1665.
900.0000	0.1230	1.000	2820.	4690.	35.59	3.116	5.193	1766.
1000.	0.1107	1.000	3131.	5209.	36.13	3.116	5.193	1861.
1100.	0.1006	1.000	3443.	5728.	36.63	3.116	5.193	1952.
1200.	0.9225E-01	1.000	3754.	6248.	37.08	3.116	5.193	2039.
1300.	0.8516E-01	1.000	4066.	6767.	37.50	3.116	5.193	2122.
1400.	0.7908E-01	1.000	4378.	7286.	37.88	3.116	5.193	2202.
1500.	0.7380E-01	1.000	4689.	7805.	38.24	3.116	5.193	2279.

PRESSURE = 0.230 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_T$	$\left(\frac{F}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m²/s]	PRANDTL
0.8000	0.3393E-03	1.278	0.2360E-01	0.5874E-01				
1.000	0.3636E-03	0.2269	0.2365E-01	0.5874E-01				
1.200	-0.6401E-03	-0.1057	0.2367E-01	0.5874E-01				
1.400	-0.3436E-02	-0.1995	0.2375E-01	0.5875E-01				
1.600	-0.9028E-02	-0.2215	0.2405E-01	0.5880E-01				
1.800	-0.1913E-01	-0.2211	0.2477E-01	0.5890E-01				
2.000	-0.3819E-01	-0.2126	0.2601E-01	0.5907E-01				
2.055	-0.4748E-01	-0.2110	0.2646E-01	0.5914E-01				
2.145	-0.9109E-01	-0.2320	0.2757E-01	0.5930E-01				
2.154	-0.1324	-0.2611	0.2810E-01	0.5932E-01				
2.156	-0.5507E-01	-0.1815	0.2727E-01	0.5933E-01				
2.165	-0.7831E-02	-0.4157E-01	0.2682E-01	0.5934E-01				
2.255	0.3937E-01	0.3818	0.2679E-01	0.5928E-01				
2.400	0.6423E-01	0.7249	0.2732E-01	0.5908E-01				
2.700	0.1077	1.086	0.2965E-01	0.5850E-01				
3.000	0.1612	1.293	0.3348E-01	0.5767E-01				
3.300	0.2215	1.314	0.3826E-01	0.5662E-01				
3.600	0.2980	1.308	0.4509E-01	0.5535E-01	0.1885E-01	3.807	0.4201E-07	0.6450
3.900	0.4011	1.299	0.5526E-01	0.5381E-01	0.1936E-01	3.721	0.3863E-07	0.7048
4.200	0.5523	1.286	0.7168E-01	0.5194E-01	0.1967E-01	3.599	0.3503E-07	0.7783
4.500	0.8067	1.258	0.1021	0.4957E-01	0.1976E-01	3.436	0.3056E-07	0.8918
4.800	1.364	1.205	0.1768	0.4632E-01	0.1966E-01	3.212	0.2424E-07	1.124
5.000	2.463	1.140	0.3420	0.4299E-01	0.1952E-01	2.992	0.1765E-07	1.548
5.100	4.249	1.086	0.6369	0.4033E-01	0.1949E-01	2.825	0.1253E-07	2.193
5.300	10.04	0.8011	4.144	0.1692E-01	0.1491E-01	1.812	0.1256E-07	3.322
5.500	4.439	0.7736	2.278	0.1339E-01	0.1362E-01	1.755	0.2916E-07	1.749
6.000	2.448	0.7517	1.551	0.1015E-01	0.1327E-01	1.777	0.5809E-07	1.171
6.500	1.913	0.7414	1.346	0.8545E-02	0.1359E-01	1.839	0.8278E-07	1.010
7.000	1.657	0.7341	1.245	0.7490E-02	0.1409E-01	1.912	0.1067E-06	0.9285
8.000	1.404	0.7232	1.145	0.6115E-02	0.1524E-01	2.066	0.1550E-06	0.8458
9.000	1.280	0.7149	1.095	0.5222E-02	0.1637E-01	2.220	0.2047E-06	0.8060
10.00	1.206	0.7085	1.066	0.4581E-02	0.1746E-01	2.372	0.2563E-06	0.7837
12.00	1.125	0.6992	1.034	0.3706E-02	0.1949E-01	2.661	0.3681E-06	0.7609
15.00	1.068	0.6905	1.013	0.2903E-02	0.2228E-01	3.063	0.5482E-06	0.7464
20.00	1.029	0.6827	1.001	0.2148E-02	0.2647E-01	3.661	0.8976E-06	0.7362
25.00	1.013	0.6785	0.9961	0.1710E-02	0.3031E-01	4.193	0.1302E-05	0.7297
30.00	1.006	0.6759	0.9946	0.1423E-02	0.3391E-01	4.676	0.1760E-05	0.7238
40.00	0.9995	0.6730	0.9940	0.1066E-02	0.4060E-01	5.543	0.2825E-05	0.7130
50.00	0.9974	0.6714	0.9944	0.8533E-03	0.4682E-01	6.319	0.4080E-05	0.7034
60.00	0.9967	0.6704	0.9949	0.7115E-03	0.5268E-01	7.035	0.5513E-05	0.6950
80.00	0.9966	0.6692	0.9959	0.5341E-03	0.6364E-01	8.347	0.8881E-05	0.6819
100.0	0.9969	0.6686	0.9966	0.4278E-03	0.7383E-01	9.559	0.1288E-04	0.6728
120.0	0.9972	0.6682	0.9972	0.3565E-03	0.8344E-01	10.71	0.1746E-04	0.6666
140.0	0.9975	0.6680	0.9976	0.3057E-03	0.9261E-01	11.81	0.2260E-04	0.6626
160.0	0.9978	0.6678	0.9979	0.2676E-03	0.1014	12.89	0.2827E-04	0.6604
180.0	0.9980	0.6676	0.9982	0.2379E-03	0.1099	13.95	0.3446E-04	0.6591
200.0	0.9982	0.6675	0.9984	0.2141E-03	0.1181	15.01	0.4114E-04	0.6601
220.0	0.9984	0.6674	0.9985	0.1947E-03	0.1261	16.04	0.4830E-04	0.6608
240.0	0.9985	0.6673	0.9987	0.1785E-03	0.1338	17.05	0.5593E-04	0.6615
260.0	0.9986	0.6673	0.9988	0.1648E-03	0.1414	18.03	0.6402E-04	0.6620
280.0	0.9987	0.6672	0.9989	0.1530E-03	0.1488	18.98	0.7255E-04	0.6624
300.0	0.9988	0.6672	0.9990	0.1428E-03	0.1561	19.92	0.8152E-04	0.6628
350.0	0.9990	0.6671	0.9991	0.1225E-03	0.1736	22.18	0.1058E-03	0.6635
400.0	0.9991	0.6670	0.9992	0.1072E-03	0.1905	24.35	0.1326E-03	0.6640
500.0	0.9993	0.6669	0.9994	0.8574E-04	0.2224	28.46	0.1935E-03	0.6646
600.0	0.9995	0.6669	0.9995	0.7146E-04	0.2525	32.33	0.2636E-03	0.6650
700.0	0.9995	0.6669	0.9996	0.6126E-04	0.2811	36.01	0.3424E-03	0.6652
800.0	0.9996	0.6668	0.9997	0.5360E-04	0.3086	39.54	0.4295E-03	0.6653
900.0	0.9997	0.6668	0.9997	0.4765E-04	0.3351	42.93	0.5246E-03	0.6653
1000.	0.9997	0.6668	0.9997	0.4289E-04	0.3607	46.21	0.6275E-03	0.6654
1100.	0.9997	0.6668	0.9998	0.3899E-04	0.3856	49.40	0.7378E-03	0.6654
1200.	0.9998	0.6668	0.9998	0.3574E-04	0.4098	52.50	0.8553E-03	0.6654
1300.	0.9998	0.6668	0.9998	0.3299E-04	0.4334	55.53	0.9800E-03	0.6653
1400.	0.9998	0.6668	0.9998	0.3063E-04	0.4565	58.48	0.1112E-02	0.6653
1500.	0.9998	0.6667	0.9998	0.2859E-04	0.4791	61.37	0.1250E-02	0.6653

PRESSURE = 0.240 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
0.8000	149.1	0.9685	0.2233E-01	1.632	0.3861E-02	0.2162E-01	0.2163E-01	256.7
1.000	149.1	0.7749	0.3324E-01	1.643	0.1585E-01	0.1048	0.1048	256.4
1.200	149.1	0.6457	0.7351E-01	1.683	0.5185E-01	0.3298	0.3298	256.2
1.400	149.1	0.5533	0.1820	1.781	0.1343	0.8009	0.8015	255.8
1.600	149.3	0.4838	0.4202	2.028	0.2912	1.636	1.639	254.2
1.800	149.5	0.4293	0.8763	2.482	0.5567	2.891	3.004	250.5
2.000	149.9	0.3853	1.692	3.292	0.9816	5.310	5.355	244.7
2.054	150.1	0.3746	2.011	3.610	1.138	6.335	6.401	242.8
2.144	150.5	0.3580	2.722	4.316	1.474	10.13	10.35	238.8
2.153	150.6	0.3563	2.824	4.418	1.522	12.78	13.23	238.1
2.155	150.6	0.3559	2.850	4.444	1.534	7.874	7.956	238.8
2.164	150.6	0.3544	2.904	4.497	1.558	4.948	4.949	239.6
2.254	150.5	0.3406	3.199	4.794	1.693	2.606	2.644	241.6
2.400	150.0	0.3210	3.535	5.135	1.840	2.068	2.164	243.4
2.700	148.6	0.2881	4.145	5.761	2.086	1.915	2.138	242.6
3.000	146.5	0.2629	4.783	6.421	2.317	1.947	2.349	239.2
3.300	143.9	0.2433	5.517	7.184	2.559	2.133	2.748	233.5
3.600	140.8	0.2280	6.368	8.073	2.817	2.295	3.177	225.8
3.900	137.0	0.2163	7.342	9.094	3.089	2.407	3.642	216.6
4.200	132.4	0.2078	8.455	10.27	3.379	2.483	4.211	205.5
4.500	126.6	0.2028	9.751	11.65	3.695	2.541	5.044	191.8
4.800	118.8	0.2027	11.34	13.37	4.065	2.596	6.632	173.6
5.000	111.1	0.2081	12.75	14.91	4.380	2.643	9.257	157.0
5.100	105.3	0.2151	13.70	15.98	4.591	2.677	12.60	145.9
5.300	55.47	0.3930	21.14	25.47	6.402	2.961	67.50	107.7
5.500	38.17	0.5504	24.69	30.98	7.425	3.044	16.15	113.0
6.000	27.94	0.6893	28.13	36.72	8.429	3.075	9.189	126.2
6.500	23.31	0.7626	30.57	40.87	9.094	3.081	7.661	136.5
7.000	20.35	0.8113	32.71	44.51	9.634	3.085	6.964	145.3
8.000	16.54	0.8730	36.59	51.09	10.51	3.094	6.301	160.1
9.000	14.10	0.9104	40.20	57.22	11.24	3.103	5.983	172.7
10.00	12.36	0.9349	43.68	63.10	11.86	3.110	5.797	184.0
12.00	9.985	0.9642	50.43	74.46	12.89	3.119	5.589	203.9
15.00	7.816	0.9854	60.27	90.98	14.12	3.125	5.439	229.6
20.00	5.782	0.9991	76.35	117.9	15.67	3.127	5.329	265.9
25.00	4.604	1.004	92.23	144.4	16.85	3.126	5.279	297.3
30.00	3.830	1.006	108.0	170.7	17.81	3.125	5.251	325.4
40.00	2.870	1.006	139.4	223.0	19.32	3.123	5.224	375.2
50.00	2.297	1.006	170.7	275.2	20.48	3.121	5.212	418.9
60.00	1.915	1.005	202.0	327.3	21.43	3.120	5.205	458.4
80.00	1.438	1.004	264.4	431.3	22.93	3.119	5.199	528.6
100.0	1.151	1.004	326.8	535.3	24.09	3.118	5.196	590.4
120.0	0.9600	1.003	389.2	639.2	25.03	3.117	5.195	646.4
140.0	0.8232	1.003	451.5	743.1	25.84	3.117	5.194	697.9
160.0	0.7205	1.002	513.9	846.9	26.53	3.117	5.194	745.8
180.0	0.6406	1.002	576.2	950.8	27.14	3.117	5.193	790.8
200.0	0.5767	1.002	638.5	1055.	27.69	3.117	5.193	833.4
220.0	0.5244	1.002	700.8	1159.	28.18	3.117	5.193	874.0
240.0	0.4807	1.001	763.2	1262.	28.63	3.116	5.193	912.7
260.0	0.4438	1.001	825.5	1366.	29.05	3.116	5.193	949.9
280.0	0.4122	1.001	887.8	1470.	29.44	3.116	5.193	985.6
300.0	0.3847	1.001	950.1	1574.	29.79	3.116	5.193	1020.
350.0	0.3298	1.001	1106.	1834.	30.59	3.116	5.193	1102.
400.0	0.2886	1.001	1262.	2093.	31.29	3.116	5.193	1178.
500.0	0.2309	1.001	1573.	2613.	32.45	3.116	5.193	1316.
600.0	0.1925	1.000	1885.	3132.	33.39	3.116	5.193	1442.
700.0	0.1650	1.000	2196.	3651.	34.19	3.116	5.193	1557.
800.0	0.1444	1.000	2508.	4170.	34.89	3.116	5.193	1665.
900.0	0.1283	1.000	2820.	4690.	35.50	3.116	5.193	1766.
1000.	0.1155	1.000	3131.	5209.	36.05	3.116	5.193	1861.
1100.	0.1050	1.000	3443.	5728.	36.54	3.116	5.193	1952.
1200.	0.9626E-01	1.000	3754.	6248.	36.99	3.116	5.193	2039.
1300.	0.8886E-01	1.000	4066.	6767.	37.41	3.116	5.193	2122.
1400.	0.8251E-01	1.000	4378.	7286.	37.79	3.116	5.193	2202.
1500.	0.7701E-01	1.000	4689.	7806.	38.15	3.116	5.193	2279.

PRESSURE = 0.240 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.3262E-03	1.242	0.2444E-01	0.5880E-01				
1.000	0.3570E-03	0.2239	0.2449E-01	0.5880E-01				
1.200	-0.6482E-03	-0.1075	0.2452E-01	0.5880E-01				
1.400	-0.3485E-02	-0.2032	0.2452E-01	0.5881E-01				
1.600	-0.9196E-02	-0.2265	0.2494E-01	0.5886E-01				
1.800	-0.1950E-01	-0.2284	0.2569E-01	0.5896E-01				
2.000	-0.3884E-01	-0.2172	0.2695E-01	0.5914E-01				
2.054	-0.4804E-01	-0.2154	0.2740E-01	0.5921E-01				
2.144	-0.9187E-01	-0.2361	0.2856E-01	0.5937E-01				
2.153	-0.1334	-0.2653	0.2911E-01	0.5939E-01				
2.155	-0.5585E-01	-0.1857	0.2824E-01	0.5940E-01				
2.164	-0.8397E-02	-0.4500E-11	0.2777E-01	0.5941E-01				
2.254	0.3888E-01	0.3808	0.2772E-01	0.5935E-01				
2.400	0.6377E-01	0.7275	0.2826E-01	0.5915E-01				
2.700	0.1067	1.088	0.3063E-01	0.5858E-01				
3.000	0.1594	1.295	0.3453E-01	0.5776E-01				
3.300	0.2189	1.316	0.3939E-01	0.5672E-01				
3.600	0.2938	1.310	0.4629E-01	0.5546E-01	0.1890E-01	3.826	0.4224E-07	0.6434
3.900	0.3941	1.302	0.5650E-01	0.5394E-01	0.1941E-01	3.741	0.3891E-07	0.7018
4.200	0.5397	1.289	0.7277E-01	0.5210E-01	0.1973E-01	3.621	0.3539E-07	0.7727
4.500	0.7796	1.264	0.1023	0.4979E-01	0.1984E-01	3.461	0.3107E-07	0.8798
4.800	1.281	1.213	0.1713	0.4666E-01	0.1976E-01	3.245	0.2509E-07	1.089
5.000	2.168	1.154	0.3073	0.4359E-01	0.1963E-01	3.041	0.1910E-07	1.434
5.100	3.344	1.108	0.5036	0.4132E-01	0.1958E-01	2.897	0.1475E-07	1.865
5.300	25.92	0.8408	8.498	0.2163E-01	0.1766E-01	1.968	0.4716E-08	7.522
5.500	5.473	0.7864	2.614	0.1485E-01	0.1418E-01	1.799	0.2300E-07	2.050
6.000	2.624	0.7579	1.612	0.1086E-01	0.1347E-01	1.798	0.5248E-07	1.226
6.500	1.993	0.7459	1.373	0.9055E-02	0.1371E-01	1.854	0.7677E-07	1.036
7.000	1.704	0.7378	1.261	0.7901E-02	0.1418E-01	1.924	0.1001E-06	0.9447
8.000	1.428	0.7260	1.153	0.6421E-02	0.1531E-01	2.075	0.1468E-06	0.8541
9.000	1.294	0.7172	1.100	0.5472E-02	0.1643E-01	2.228	0.1947E-06	0.8112
10.00	1.216	0.7104	1.069	0.4795E-02	0.1751E-01	2.378	0.2444E-06	0.7874
12.00	1.130	0.7006	1.036	0.3873E-02	0.1953E-01	2.666	0.3500E-06	0.7631
15.00	1.071	0.6915	1.014	0.3031E-02	0.2231E-01	3.067	0.5248E-06	0.7477
20.00	1.030	0.6834	1.000	0.2242E-02	0.2650E-01	3.664	0.8600E-06	0.7369
25.00	1.014	0.6790	0.9960	0.1784E-02	0.3033E-01	4.195	0.1248E-05	0.7301
30.00	1.006	0.6763	0.9943	0.1484E-02	0.3393E-01	4.679	0.1687E-05	0.7241
40.00	0.9995	0.6732	0.9937	0.1112E-02	0.4062E-01	5.545	0.2709E-05	0.7132
50.00	0.9973	0.6716	0.9941	0.8902E-03	0.4683E-01	6.321	0.3911E-05	0.7035
60.00	0.9966	0.6705	0.9947	0.7422E-03	0.5269E-01	7.036	0.5285E-05	0.6951
80.00	0.9964	0.6694	0.9957	0.5572E-03	0.6365E-01	8.348	0.8513E-05	0.6819
100.0	0.9967	0.6687	0.9965	0.4461E-03	0.7383E-01	9.560	0.1234E-04	0.6728
120.0	0.9971	0.6683	0.9971	0.3720E-03	0.8345E-01	10.71	0.1673E-04	0.6666
140.0	0.9974	0.6680	0.9975	0.3189E-03	0.9261E-01	11.82	0.2166E-04	0.6626
160.0	0.9977	0.6678	0.9978	0.2792E-03	0.1014	12.89	0.2710E-04	0.6604
180.0	0.9979	0.6677	0.9981	0.2482E-03	0.1099	13.95	0.3303E-04	0.6591
200.0	0.9981	0.6675	0.9983	0.2234E-03	0.1181	15.01	0.3943E-04	0.6601
220.0	0.9983	0.6674	0.9985	0.2032E-03	0.1261	16.04	0.4630E-04	0.6608
240.0	0.9984	0.6674	0.9986	0.1863E-03	0.1338	17.05	0.5361E-04	0.6614
260.0	0.9986	0.6673	0.9987	0.1719E-03	0.1414	18.03	0.6136E-04	0.6620
280.0	0.9987	0.6672	0.9988	0.1597E-03	0.1488	18.98	0.6954E-04	0.6624
300.0	0.9988	0.6672	0.9989	0.1490E-03	0.1561	19.92	0.7813E-04	0.6628
350.0	0.9989	0.6671	0.9991	0.1278E-03	0.1736	22.18	0.1014E-03	0.6635
400.0	0.9991	0.6670	0.9992	0.1118E-03	0.1905	24.35	0.1271E-03	0.6640
500.0	0.9993	0.6670	0.9994	0.8947E-04	0.2224	28.46	0.1855E-03	0.6646
600.0	0.9994	0.6669	0.9995	0.7457E-04	0.2525	32.33	0.2526E-03	0.6649
700.0	0.9995	0.6669	0.9996	0.6392E-04	0.2811	36.01	0.3281E-03	0.6651
800.0	0.9996	0.6668	0.9996	0.5593E-04	0.3086	39.53	0.4116E-03	0.6652
900.0	0.9996	0.6668	0.9997	0.4972E-04	0.3351	42.93	0.5028E-03	0.6653
1000.	0.9997	0.6668	0.9997	0.4475E-04	0.3607	46.21	0.6013E-03	0.6653
1100.	0.9997	0.6668	0.9998	0.4068E-04	0.3856	49.40	0.7070E-03	0.6653
1200.	0.9997	0.6668	0.9998	0.3729E-04	0.4098	52.50	0.8197E-03	0.6653
1300.	0.9998	0.6668	0.9998	0.3442E-04	0.4334	55.52	0.9392E-03	0.6653
1400.	0.9998	0.6668	0.9998	0.3197E-04	0.4565	58.48	0.1065E-02	0.6653
1500.	0.9998	0.6668	0.9998	0.2984E-04	0.4791	61.37	0.1198E-02	0.6652

PRESSURE = 0.260 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
0.8000	149.4	1.047	0.2567E-01	1.766	0.3809E-02	0.2146E-01	0.2147E-01	258.4
	149.4	0.8378	0.3658E-01	1.777	0.1581E-01	0.1051	0.1051	258.0
	149.4	0.6981	0.7700E-01	1.817	0.5202E-01	0.3309	0.3309	257.7
	149.5	0.5982	0.1859	1.926	0.1347	0.8033	0.8039	257.1
	149.6	0.5230	0.4249	2.163	0.2920	1.640	1.644	255.4
	149.8	0.4641	0.8825	2.618	0.5582	2.998	3.012	251.9
	150.3	0.4164	1.701	3.431	0.9843	5.323	5.371	246.2
	150.5	0.4054	2.009	3.737	1.135	6.309	6.379	244.4
	150.9	0.3873	2.717	4.440	1.470	10.08	10.31	240.4
	150.9	0.3855	2.819	4.541	1.517	12.71	13.18	239.7
1	2.152	150.5	0.4054	2.009	3.737	1.135	6.309	244.4
	2.142	150.9	0.3873	2.717	4.440	1.470	10.08	240.4
	2.151	150.9	0.3855	2.819	4.541	1.517	12.71	239.7
	2.153	151.0	0.3851	2.846	4.568	1.530	7.842	240.4
	2.162	151.0	0.3834	2.898	4.621	1.554	4.925	241.2
	2.252	150.8	0.3684	3.192	4.916	1.688	2.593	2.630
	2.400	150.3	0.3469	3.530	5.260	1.836	2.054	2.148
	2.700	148.9	0.3113	4.135	5.881	2.080	1.905	2.123
	3.000	146.9	0.2840	4.767	6.536	2.310	1.937	2.330
	3.300	144.4	0.2627	5.492	7.293	2.550	2.125	2.725
2	3.600	141.3	0.2461	6.333	8.173	2.805	2.287	3.146
	3.900	137.6	0.2332	7.294	9.183	3.075	2.400	3.595
	4.200	133.2	0.2238	8.387	10.34	3.360	2.476	4.134
	4.500	127.7	0.2179	9.648	11.68	3.669	2.532	4.892
	4.800	120.4	0.2166	11.17	13.33	4.022	2.585	6.232
	5.000	113.6	0.2204	12.45	14.74	4.310	2.626	8.123
	5.100	109.0	0.2251	13.25	15.64	4.488	2.654	10.02
	5.300	92.04	0.2566	15.92	18.75	5.083	2.757	28.53
	5.500	49.10	0.4635	22.78	28.08	6.814	2.993	27.30
	6.000	31.96	0.6527	27.36	35.49	8.113	3.060	10.30
3	6.500	26.08	0.7384	30.03	40.00	8.835	3.073	8.114
	7.000	22.54	0.7934	32.27	43.81	9.400	3.080	7.225
	8.000	18.15	0.8619	36.25	50.57	10.30	3.091	6.431
	9.000	15.41	0.9028	39.92	56.80	11.04	3.101	6.064
	10.00	13.47	0.9296	43.44	62.75	11.67	3.109	5.854
	12.00	10.85	0.9614	50.24	74.20	12.71	3.119	5.624
	15.00	8.478	0.9843	60.13	90.80	13.95	3.126	5.460
	20.00	6.264	0.9991	76.25	117.8	15.50	3.128	5.340
	25.00	4.986	1.004	92.15	144.3	16.68	3.127	5.286
	30.00	4.147	1.006	108.0	170.6	17.64	3.126	5.256
4	40.00	3.108	1.007	139.4	223.0	19.15	3.123	5.227
	50.00	2.487	1.006	170.7	275.2	20.32	3.122	5.213
	60.00	2.074	1.006	202.0	327.3	21.26	3.120	5.206
	80.00	1.557	1.005	264.4	431.4	22.76	3.119	5.199
	100.0	1.247	1.004	326.8	535.3	23.92	3.118	5.196
	120.0	1.040	1.003	389.2	639.2	24.87	3.118	5.195
	140.0	0.8916	1.003	451.5	743.1	25.67	3.117	5.194
	160.0	0.7804	1.002	513.9	847.0	26.36	3.117	5.194
	180.0	0.6939	1.002	576.2	950.9	26.97	3.117	5.193
	200.0	0.6247	1.002	638.5	1055.	27.52	3.117	5.193
5	220.0	0.5680	1.002	700.8	1159.	28.02	3.117	5.193
	240.0	0.5207	1.002	763.2	1262.	28.47	3.117	5.193
	260.0	0.4807	1.001	825.5	1366.	28.88	3.116	5.193
	280.0	0.4465	1.001	887.8	1470.	29.27	3.116	5.193
	300.0	0.4167	1.001	950.1	1574.	29.63	3.116	5.193
	350.0	0.3573	1.001	1106.	1834.	30.43	3.116	5.193
	400.0	0.3127	1.001	1262.	2093.	31.12	3.116	5.193
	500.0	0.2502	1.001	1573.	2613.	32.28	3.116	5.193
	600.0	0.2085	1.001	1885.	3132.	33.23	3.116	5.193
	700.0	0.1787	1.000	2196.	3651.	34.03	3.116	5.193
6	800.0	0.1564	1.000	2508.	4170.	34.72	3.116	5.193
	900.0	0.1390	1.000	2820.	4690.	35.33	3.116	5.193
	1000.	0.1251	1.000	3131.	5209.	35.88	3.116	5.193
	1100.	0.1138	1.000	3443.	5728.	36.37	3.116	5.193
	1200.	0.1043	1.000	3754.	6248.	36.83	3.116	5.193
	1300.	0.9626E-01	1.000	4066.	6767.	37.24	3.116	5.193
	1400.	0.8939E-01	1.000	4378.	7286.	37.63	3.116	5.193
	1500.	0.8343E-01	1.000	4689.	7806.	37.98	3.116	5.193

PRESSURE = 0.260 [MPa]

TEMP [K]	$\left(\frac{\partial V}{\partial T}\right)_P$	$\left(\frac{\partial P}{\partial V}\right)_T$	$\left(\frac{\partial \rho}{\partial T}\right)_P$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.2997E-03	1.165	0.2607E-01	0.5892E-01				
1.000	0.3385E-03	0.2144	0.2614E-01	0.5892E-01				
1.200	-0.6750E-03	-0.1129	0.2620E-01	0.5892E-01				
1.400	-0.3595E-02	-0.2112	0.2633E-01	0.5894E-01				
1.600	-0.9535E-02	-0.2366	0.2670E-01	0.5899E-01				
1.800	-0.2024E-01	-0.2368	0.2749E-01	0.5909E-01				
2.000	-0.4010E-01	-0.2263	0.2879E-01	0.5927E-01				
2.052	-0.4913E-01	-0.2242	0.2925E-01	0.5934E-01				
2.142	-0.9342E-01	-0.2445	0.3049E-01	0.5950E-01				
2.151	-0.1353	-0.2740	0.3110E-01	0.5953E-01				
2.153	-0.5737E-01	-0.1941	0.3015E-01	0.5954E-01				
2.162	-0.9500E-02	-0.5186E-01	0.2982E-01	0.5954E-01				
2.252	0.3793E-01	0.3790	0.2955E-01	0.5949E-01				
2.400	0.6288E-01	0.7330	0.3010E-01	0.5929E-01				
2.700	0.1047	1.093	0.3253E-01	0.5873E-01				
3.000	0.1561	1.300	0.3657E-01	0.5793E-01				
3.300	0.2137	1.321	0.4156E-01	0.5690E-01				
3.600	0.2858	1.314	0.4859E-01	0.5567E-01	0.1898E-01	3.865	0.4270E-07	0.6404
3.900	0.3810	1.307	0.5884E-01	0.5419E-01	0.1952E-01	3.781	0.3946E-07	0.6963
4.200	0.5165	1.296	0.7482E-01	0.5241E-01	0.1986E-01	3.664	0.3608E-07	0.7624
4.500	0.7319	1.273	0.1027	0.5021E-01	0.2000E-01	3.510	0.3203E-07	0.8586
4.800	1.148	1.229	0.1627	0.4730E-01	0.1995E-01	3.309	0.2660E-07	1.033
5.000	1.777	1.178	0.2628	0.4461E-01	0.1985E-01	3.128	0.2151E-07	1.280
5.100	2.431	1.142	0.3752	0.4279E-01	0.1978E-01	3.010	0.1811E-07	1.525
5.300	9.242	1.011	1.766	0.3605E-01	0.1977E-01	2.614	0.7531E-08	3.771
5.500	9.867	0.8231	3.857	0.1913E-01	0.1590E-01	1.935	0.1186E-07	3.323
6.000	3.063	0.7717	1.759	0.1243E-01	0.1393E-01	1.845	0.4234E-07	1.363
6.500	2.171	0.7556	1.434	0.1013E-01	0.1397E-01	1.886	0.6603E-07	1.095
7.000	1.805	0.7456	1.296	0.8754E-02	0.1438E-01	1.949	0.8829E-07	0.9797
8.000	1.477	0.7318	1.169	0.7048E-02	0.1545E-01	2.094	0.1324E-06	0.8713
9.000	1.324	0.7219	1.109	0.5979E-02	0.1655E-01	2.243	0.1772E-06	0.8218
10.00	1.236	0.7143	1.075	0.5225E-02	0.1761E-01	2.391	0.2234E-06	0.7948
12.00	1.142	0.7036	1.039	0.4209E-02	0.1962E-01	2.677	0.3215E-06	0.7674
15.00	1.076	0.6936	1.015	0.3288E-02	0.2238E-01	3.075	0.4835E-06	0.7502
20.00	1.033	0.6847	1.000	0.2429E-02	0.2655E-01	3.670	0.7937E-06	0.7382
25.00	1.015	0.6800	0.9956	0.1933E-02	0.3037E-01	4.200	0.1153E-05	0.7309
30.00	1.006	0.6771	0.9938	0.1607E-02	0.3396E-01	4.683	0.1558E-05	0.7247
40.00	0.9994	0.6738	0.9932	0.1204E-02	0.4064E-01	5.549	0.2502E-05	0.7135
50.00	0.9971	0.6720	0.9936	0.9639E-03	0.4685E-01	6.324	0.3613E-05	0.7037
60.00	0.9963	0.6709	0.9943	0.8037E-03	0.5271E-01	7.039	0.4882E-05	0.6952
80.00	0.9961	0.6696	0.9954	0.6034E-03	0.6367E-01	8.351	0.7863E-05	0.6820
100.0	0.9965	0.6689	0.9962	0.4831E-03	0.7385E-01	9.562	0.1140E-04	0.6728
120.0	0.9968	0.6684	0.9968	0.4029E-03	0.8347E-01	10.71	0.1545E-04	0.6666
140.0	0.9972	0.6681	0.9973	0.3455E-03	0.9263E-01	11.82	0.2000E-04	0.6626
160.0	0.9975	0.6679	0.9976	0.3024E-03	0.1014	12.90	0.2502E-04	0.6604
180.0	0.9977	0.6677	0.9979	0.2689E-03	0.1099	13.95	0.3050E-04	0.6591
200.0	0.9980	0.6676	0.9981	0.2420E-03	0.1181	15.01	0.3641E-04	0.6600
220.0	0.9981	0.6675	0.9983	0.2201E-03	0.1261	16.04	0.4275E-04	0.6608
240.0	0.9983	0.6674	0.9985	0.2017E-03	0.1338	17.05	0.4950E-04	0.6614
260.0	0.9984	0.6674	0.9986	0.1863E-03	0.1414	18.03	0.5665E-04	0.6619
280.0	0.9986	0.6673	0.9987	0.1730E-03	0.1488	18.98	0.6420E-04	0.6623
300.0	0.9987	0.6672	0.9988	0.1615E-03	0.1561	19.92	0.7213E-04	0.6627
350.0	0.9989	0.6672	0.9990	0.1384E-03	0.1737	22.18	0.9360E-04	0.6634
400.0	0.9990	0.6671	0.9991	0.1211E-03	0.1905	24.35	0.1173E-03	0.6639
500.0	0.9992	0.6670	0.9993	0.9692E-04	0.2224	28.46	0.1712E-03	0.6645
600.0	0.9994	0.6669	0.9995	0.8078E-04	0.2525	32.33	0.2332E-03	0.6649
700.0	0.9995	0.6669	0.9996	0.6924E-04	0.2812	36.01	0.3029E-03	0.6651
800.0	0.9996	0.6669	0.9996	0.6059E-04	0.3086	39.53	0.3800E-03	0.6652
900.0	0.9996	0.6668	0.9997	0.5386E-04	0.3351	42.93	0.4641E-03	0.6652
1000.	0.9997	0.6668	0.9997	0.4848E-04	0.3607	46.21	0.5551E-03	0.6653
1100.	0.9997	0.6668	0.9997	0.4407E-04	0.3856	49.39	0.6527E-03	0.6653
1200.	0.9997	0.6668	0.9998	0.4040E-04	0.4098	52.49	0.7567E-03	0.6653
1300.	0.9997	0.6668	0.9998	0.3729E-04	0.4334	55.52	0.8670E-03	0.6652
1400.	0.9998	0.6668	0.9998	0.3463E-04	0.4565	58.47	0.9834E-03	0.6652
1500.	0.9998	0.6668	0.9998	0.3232E-04	0.4791	61.37	0.1106E-02	0.6652

PRESSURE = 0.280 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	Vsound [m/s]
0.8000	149.7	1.125	0.2923E-01	1.899	0.3761E-02	0.2129E-01	0.2130E-01	260.1
1.000	149.7	0.9004	0.4014E-01	1.910	0.1576E-01	0.1054	0.1054	259.7
1.200	149.7	0.7503	0.8071E-01	1.851	0.5210E-01	0.3320	0.3321	259.2
1.400	149.8	0.6429	0.1900	2.060	0.1350	0.8058	0.8064	258.5
1.600	149.9	0.5621	0.4299	2.298	0.2928	1.644	1.648	256.7
1.800	150.1	0.4988	0.8891	2.754	0.5598	3.005	3.020	253.2
2.000	150.6	0.4475	1.710	3.569	0.9870	5.336	5.388	247.7
1 2.050	150.8	0.4360	2.006	3.863	1.132	6.284	6.357	246.0
2 2.140	151.2	0.4165	2.712	4.564	1.466	10.03	10.27	242.0
3 2.149	151.3	0.4146	2.814	4.665	1.513	12.64	13.13	241.2
3 2.151	151.3	0.4142	2.841	4.692	1.526	7.809	7.902	241.9
2 2.160	151.3	0.4124	2.894	4.744	1.550	4.903	4.906	242.7
1 2.250	151.2	0.3962	3.185	5.038	1.684	2.580	2.616	244.9
2.400	150.7	0.3727	3.526	5.384	1.833	2.040	2.133	246.8
2.700	149.3	0.3344	4.126	6.001	2.075	1.894	2.108	246.5
3.000	147.3	0.3050	4.751	6.651	2.303	1.928	2.313	243.2
3.300	144.8	0.2820	5.469	7.402	2.541	2.117	2.703	237.8
3.600	141.8	0.2640	6.301	8.275	2.794	2.280	3.116	230.6
3.900	138.2	0.2500	7.248	9.274	3.061	2.393	3.551	221.9
4.200	133.9	0.2397	8.322	10.41	3.342	2.469	4.063	211.8
4.500	128.6	0.2329	9.553	11.73	3.644	2.525	4.761	199.4
4.800	121.8	0.2306	11.02	13.31	3.985	2.574	5.920	183.8
5.000	115.7	0.2330	12.21	14.63	4.253	2.612	7.383	170.4
5.100	111.8	0.2363	12.92	15.43	4.411	2.635	8.659	162.3
5.300	100.2	0.2538	14.88	17.67	4.842	2.705	15.46	141.7
5.500	68.51	0.3578	19.73	23.82	5.976	2.894	43.49	116.4
6.000	36.65	0.6130	26.49	34.13	7.787	3.042	11.81	123.6
6.500	29.07	0.7133	29.44	39.07	8.581	3.064	8.650	134.5
7.000	24.84	0.7752	31.81	43.08	9.175	3.074	7.517	143.8
8.000	19.81	0.8506	35.91	50.04	10.11	3.088	6.568	159.3
9.000	16.73	0.8852	39.64	56.38	10.85	3.099	6.149	172.3
10.00	14.59	0.9242	43.20	62.40	11.49	3.108	5.913	183.8
12.00	11.72	0.9585	50.05	73.94	12.54	3.118	5.659	204.0
15.00	9.140	0.9832	59.98	90.62	13.78	3.127	5.481	229.9
20.00	6.746	0.9991	76.14	117.6	15.34	3.129	5.351	266.4
25.00	5.367	1.005	92.07	144.2	16.53	3.128	5.293	297.8
30.00	4.464	1.007	107.9	170.6	17.49	3.127	5.261	326.0
40.00	3.345	1.007	139.3	223.0	19.00	3.124	5.229	375.7
50.00	2.677	1.007	170.7	275.3	20.16	3.122	5.215	419.4
60.00	2.233	1.006	202.0	327.4	21.11	3.121	5.207	458.8
80.00	1.677	1.005	264.4	431.4	22.61	3.119	5.200	529.0
100.0	1.342	1.004	326.8	535.4	23.77	3.118	5.197	590.8
120.0	1.119	1.003	389.2	639.3	24.71	3.118	5.195	646.7
140.0	0.9600	1.003	451.5	743.2	25.52	3.117	5.194	698.1
160.0	0.8403	1.003	513.9	847.1	26.21	3.117	5.194	746.1
180.0	0.7472	1.002	576.2	950.9	26.82	3.117	5.193	791.1
200.0	0.6726	1.002	638.5	1055.	27.37	3.117	5.193	833.7
220.0	0.6115	1.002	700.8	1159.	27.86	3.117	5.193	874.2
240.0	0.5607	1.002	763.2	1263.	28.31	3.117	5.193	912.9
260.0	0.5177	1.002	825.5	1366.	28.73	3.116	5.193	950.1
280.0	0.4807	1.001	887.8	1470.	29.12	3.116	5.193	985.8
300.0	0.4487	1.001	950.1	1574.	29.47	3.116	5.193	1020.
350.0	0.3847	1.001	1106.	1834.	30.27	3.116	5.193	1102.
400.0	0.3367	1.001	1262.	2093.	30.97	3.116	5.193	1178.
500.0	0.2694	1.001	1573.	2613.	32.13	3.116	5.193	1317.
600.0	0.2245	1.001	1885.	3132.	33.07	3.116	5.193	1442.
700.0	0.1925	1.000	2196.	3651.	33.87	3.116	5.193	1557.
800.0	0.1684	1.000	2508.	4171.	34.57	3.116	5.193	1665.
900.0	0.1497	1.000	2820.	4690.	35.18	3.116	5.193	1766.
1000.	0.1348	1.000	3131.	5209.	35.73	3.116	5.193	1861.
1100.	0.1225	1.000	3443.	5728.	36.22	3.116	5.193	1952.
1200.	0.1123	1.000	3754.	6248.	36.67	3.116	5.193	2039.
1300.	0.1037	1.000	4066.	6767.	37.09	3.116	5.193	2122.
1400.	0.9626E-01	1.000	4378.	7286.	37.47	3.116	5.193	2202.
1500.	0.8985E-01	1.000	4689.	7806.	37.83	3.116	5.193	2279.

PRESSURE = 0.280 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.2735E-03	1.086	0.2766E-01	0.5904E-01				
1.000	0.3130E-03	0.2003	0.2774E-01	0.5904E-01				
1.200	-0.7158E-03	-0.1207	0.2783E-01	0.5904E-01				
1.400	-0.3720E-02	-0.2202	0.2801E-01	0.5906E-01				
1.600	-0.9874E-02	-0.2467	0.2842E-01	0.5911E-01				
1.800	-0.2094E-01	-0.2469	0.2925E-01	0.5921E-01				
2.000	-0.4131E-01	-0.2353	0.3059E-01	0.5940E-01				
2.050	-0.5016E-01	-0.2329	0.3104E-01	0.5947E-01				
2.140	-0.9497E-01	-0.2530	0.3238E-01	0.5964E-01				
2.149	-0.1371	-0.2828	0.3304E-01	0.5967E-01				
2.151	-0.5883E-01	-0.2025	0.3201E-01	0.5967E-01				
2.160	-0.1056E-01	-0.5872E-01	0.3143E-01	0.5968E-01				
2.250	0.3703E-01	0.3771	0.3132E-01	0.5963E-01				
2.400	0.6206E-01	0.7388	0.3188E-01	0.5943E-01				
2.700	0.1029	1.098	0.3436E-01	0.5888E-01				
3.000	0.1530	1.304	0.3853E-01	0.5809E-01				
3.300	0.2089	1.325	0.4364E-01	0.5709E-01				
3.600	0.2783	1.319	0.5077E-01	0.5588E-01	0.1907E-01	3.902	0.4315E-07	0.6376
3.900	0.3690	1.312	0.6104E-01	0.5444E-01	0.1963E-01	3.820	0.3998E-07	0.6913
4.200	0.4957	1.303	0.7673E-01	0.5271E-01	0.1999E-01	3.706	0.3674E-07	0.7532
4.500	0.6909	1.282	0.1032	0.5060E-01	0.2016E-01	3.558	0.3291E-07	0.8405
4.800	1.046	1.243	0.1566	0.4787E-01	0.2014E-01	3.367	0.2793E-07	0.9898
5.000	1.524	1.198	0.2356	0.4545E-01	0.2005E-01	3.203	0.2347E-07	1.179
5.100	1.957	1.168	0.3121	0.4390E-01	0.1999E-01	3.102	0.2065E-07	1.343
5.300	4.387	1.075	0.7953	0.3928E-01	0.1985E-01	2.818	0.1281E-07	2.195
5.500	15.74	0.8912	4.536	0.2676E-01	0.1876E-01	2.217	0.6298E-08	5.139
6.000	3.656	0.7879	1.942	0.1426E-01	0.1449E-01	1.901	0.3349E-07	1.549
6.500	2.380	0.7661	1.503	0.1130E-01	0.1427E-01	1.922	0.5673E-07	1.165
7.000	1.918	0.7537	1.333	0.9652E-02	0.1458E-01	1.977	0.7811E-07	1.019
8.000	1.528	0.7377	1.185	0.7692E-02	0.1560E-01	2.113	0.1189E-06	0.8895
9.000	1.354	0.7266	1.119	0.6494E-02	0.1668E-01	2.259	0.1621E-06	0.8328
10.00	1.257	0.7183	1.081	0.5660E-02	0.1772E-01	2.404	0.2055E-06	0.8023
12.00	1.153	0.7065	1.042	0.4546E-02	0.1970E-01	2.687	0.2971E-06	0.7717
15.00	1.082	0.6958	1.016	0.3545E-02	0.2245E-01	3.083	0.4481E-06	0.7527
20.00	1.035	0.6861	1.000	0.2616E-02	0.2660E-01	3.676	0.7369E-06	0.7394
25.00	1.016	0.6810	0.9952	0.2081E-02	0.3042E-01	4.205	0.1071E-05	0.7317
30.00	1.007	0.6779	0.9933	0.1730E-02	0.3400E-01	4.687	0.1448E-05	0.7253
40.00	0.9994	0.6743	0.9927	0.1297E-02	0.4067E-01	5.552	0.2325E-05	0.7138
50.00	0.9968	0.6724	0.9932	0.1038E-02	0.4688E-01	6.328	0.3358E-05	0.7039
60.00	0.9960	0.6712	0.9938	0.8652E-03	0.5274E-01	7.042	0.4536E-05	0.6953
80.00	0.9958	0.6698	0.9950	0.6496E-03	0.6369E-01	8.354	0.7305E-05	0.6821
100.0	0.9962	0.6690	0.9959	0.5202E-03	0.7387E-01	9.565	0.1059E-04	0.6729
120.0	0.9966	0.6686	0.9966	0.4337E-03	0.8349E-01	10.71	0.1436E-04	0.6666
140.0	0.9970	0.6682	0.9971	0.3720E-03	0.9265E-01	11.82	0.1858E-04	0.6626
160.0	0.9973	0.6680	0.9974	0.3256E-03	0.1014	12.90	0.2324E-04	0.6603
180.0	0.9976	0.6678	0.9978	0.2895E-03	0.1099	13.95	0.2833E-04	0.6591
200.0	0.9978	0.6677	0.9980	0.2606E-03	0.1181	15.01	0.3382E-04	0.6600
220.0	0.9980	0.6676	0.9982	0.2370E-03	0.1261	16.04	0.3970E-04	0.6608
240.0	0.9982	0.6675	0.9984	0.2172E-03	0.1339	17.05	0.4597E-04	0.6614
260.0	0.9983	0.6674	0.9985	0.2006E-03	0.1414	18.03	0.5262E-04	0.6619
280.0	0.9984	0.6673	0.9986	0.1863E-03	0.1489	18.98	0.5963E-04	0.6623
300.0	0.9986	0.6673	0.9987	0.1739E-03	0.1561	19.92	0.6699E-04	0.6627
350.0	0.9988	0.6672	0.9989	0.1490E-03	0.1737	22.18	0.8693E-04	0.6634
400.0	0.9989	0.6671	0.9991	0.1304E-03	0.1905	24.35	0.1090E-03	0.6638
500.0	0.9992	0.6670	0.9993	0.1044E-03	0.2224	28.46	0.1590E-03	0.6644
600.0	0.9993	0.6669	0.9994	0.8699E-04	0.2525	32.33	0.2156E-03	0.6648
700.0	0.9994	0.6669	0.9995	0.7457E-04	0.2812	36.01	0.2813E-03	0.6650
800.0	0.9995	0.6669	0.9996	0.6525E-04	0.3086	39.53	0.3529E-03	0.6651
900.0	0.9996	0.6668	0.9996	0.5800E-04	0.3351	42.92	0.4310E-03	0.6652
1000.	0.9996	0.6668	0.9997	0.5221E-04	0.3607	46.21	0.5155E-03	0.6652
1100.	0.9997	0.6668	0.9997	0.4746E-04	0.3856	49.39	0.6061E-03	0.6652
1200.	0.9997	0.6668	0.9997	0.4351E-04	0.4098	52.49	0.7027E-03	0.6652
1300.	0.9997	0.6668	0.9998	0.4016E-04	0.4334	55.51	0.8051E-03	0.6652
1400.	0.9998	0.6668	0.9998	0.3729E-04	0.4565	58.47	0.9132E-03	0.6651
1500.	0.9998	0.6668	0.9998	0.3481E-04	0.4791	61.36	0.1027E-02	0.6651

PRESSURE = 0.300 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	Cv [J/g*K]	Cp [J/g*K]	VSOUND [m/s]
0.8000	150.0	1.203	0.3299E-01	2.033	0.3717E-02	0.2112E-01	0.2113E-01	261.7
1.000	150.0	0.9628	0.4391E-01	2.044	0.1572E-01	0.1056	0.1057	261.3
1.200	150.0	0.8023	0.8463E-01	2.085	0.5218E-01	0.3332	0.3332	260.7
1.400	150.1	0.6875	0.1944	2.194	0.1354	0.8083	0.8090	259.8
1.600	150.2	0.6010	0.4351	2.433	0.2937	1.649	1.653	257.9
1.800	150.5	0.5333	0.8959	2.890	0.5613	3.011	3.028	254.5
2.000	150.9	0.4784	1.720	3.707	0.9898	5.349	5.405	249.2
1 2.048	151.1	0.4666	2.004	3.989	1.129	6.258	6.335	247.6
2 2.138	151.5	0.4457	2.708	4.687	1.462	9.981	10.23	243.6
3 2.147	151.6	0.4437	2.809	4.788	1.509	12.57	13.08	242.8
3 2.149	151.6	0.4432	2.837	4.815	1.522	7.776	7.875	243.4
2 2.158	151.6	0.4413	2.889	4.868	1.546	4.881	4.885	244.3
1 2.248	151.5	0.4240	3.180	5.160	1.679	2.568	2.602	246.5
2.400	151.0	0.3984	3.522	5.509	1.829	2.026	2.119	248.6
2.700	149.7	0.3574	4.117	6.121	2.070	1.884	2.094	248.3
3.000	147.7	0.3258	4.736	6.766	2.296	1.919	2.296	245.2
3.300	145.3	0.3012	5.447	7.512	2.533	2.109	2.682	239.9
3.600	142.3	0.2819	6.269	8.377	2.784	2.273	3.088	232.8
3.900	138.8	0.2568	7.205	9.366	3.047	2.386	3.511	224.5
4.200	134.6	0.2554	8.262	10.49	3.325	2.462	3.999	214.7
4.500	129.6	0.2477	9.465	11.78	3.621	2.517	4.647	202.9
4.800	123.1	0.2444	10.88	13.31	3.951	2.565	5.667	188.2
5.000	117.5	0.2458	12.00	14.56	4.204	2.600	6.854	176.0
5.100	114.1	0.2482	12.66	15.28	4.348	2.621	7.796	168.8
5.300	104.8	0.2600	14.30	17.16	4.709	2.676	11.67	151.3
5.500	86.22	0.3045	17.24	20.72	5.367	2.790	28.12	128.0
6.000	42.21	0.5703	25.48	32.59	7.446	3.020	13.83	122.9
6.500	32.33	0.6872	28.82	38.10	8.330	3.053	9.284	133.7
7.000	27.27	0.7565	31.33	42.33	8.958	3.067	7.841	143.1
8.000	21.51	0.8394	35.56	49.51	9.918	3.084	6.712	158.9
9.000	18.08	0.8876	39.36	55.95	10.68	3.097	6.236	172.1
10.00	15.72	0.9188	42.96	62.05	11.32	3.106	5.974	183.8
12.00	12.59	0.9557	49.86	73.68	12.38	3.119	5.695	204.1
15.00	9.804	0.9821	59.84	90.44	13.63	3.127	5.501	230.1
20.00	7.228	0.9990	76.04	117.5	15.19	3.130	5.362	266.6
25.00	5.749	1.005	92.00	144.2	16.38	3.129	5.299	298.1
30.00	4.780	1.007	107.8	170.6	17.34	3.127	5.265	326.2
40.00	3.582	1.008	139.3	223.0	18.85	3.125	5.232	375.9
50.00	2.867	1.007	170.7	275.3	20.02	3.123	5.216	419.6
60.00	2.391	1.007	201.9	327.4	20.97	3.121	5.208	459.1
80.00	1.796	1.005	264.4	431.5	22.46	3.119	5.200	529.1
100.0	1.438	1.004	326.8	535.4	23.62	3.119	5.197	590.9
120.0	1.199	1.004	389.2	639.4	24.57	3.118	5.195	646.8
140.0	1.028	1.003	451.5	743.2	25.37	3.117	5.194	698.3
160.0	0.9002	1.003	513.9	847.1	26.07	3.117	5.194	746.2
180.0	0.8004	1.002	576.2	951.0	26.68	3.117	5.193	791.2
200.0	0.7206	1.002	638.5	1055.	27.22	3.117	5.193	833.8
220.0	0.6552	1.002	700.9	1159.	27.72	3.117	5.193	874.3
240.0	0.6007	1.002	763.2	1263.	28.17	3.117	5.193	913.0
260.0	0.5546	1.002	825.5	1366.	28.59	3.117	5.193	950.2
280.0	0.5150	1.001	887.8	1470.	28.97	3.116	5.193	985.9
300.0	0.4808	1.001	950.1	1574.	29.33	3.116	5.193	1020.
350.0	0.4122	1.001	1106.	1834.	30.13	3.116	5.193	1102.
400.0	0.3607	1.001	1262.	2093.	30.82	3.116	5.193	1178.
500.0	0.2886	1.001	1573.	2613.	31.98	3.116	5.193	1317.
600.0	0.2406	1.001	1885.	3132.	32.93	3.116	5.193	1442.
700.0	0.2062	1.001	2196.	3651.	33.73	3.116	5.193	1557.
800.0	0.1804	1.000	2508.	4171.	34.42	3.116	5.193	1665.
900.0	0.1604	1.000	2820.	4690.	35.04	3.116	5.193	1766.
1000.	0.1444	1.000	3131.	5209.	35.58	3.116	5.193	1861.
1100.	0.1313	1.000	3443.	5728.	36.08	3.116	5.193	1952.
1200.	0.1203	1.000	3754.	6248.	36.53	3.116	5.193	2039.
1300.	0.1111	1.000	4066.	6767.	36.94	3.116	5.193	2122.
1400.	0.1031	1.000	4378.	7286.	37.33	3.116	5.193	2202.
1500.	0.9626E-01	1.000	4689.	7806.	37.69	3.116	5.193	2279.

PRESSURE = 0.300 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.2477E-03	1.004	0.2920E-01	0.5916E-01				
1.000	0.2809E-03	0.1815	0.2930E-01	0.5916E-01				
1.200	-0.7702E-03	-0.1310	0.2942E-01	0.5916E-01				
1.400	-0.3859E-02	-0.2300	0.2964E-01	0.5918E-01				
1.600	-0.1022E-01	-0.2570	0.3010E-01	0.5923E-01				
1.800	-0.2161E-01	-0.2568	0.3097E-01	0.5934E-01				
2.000	-0.4248E-01	-0.2440	0.3234E-01	0.5953E-01				
2.048	-0.5114E-01	-0.2416	0.3279E-01	0.5960E-01				
2.138	-0.9651E-01	-0.2617	0.3422E-01	0.5977E-01				
2.147	-0.1390	-0.2917	0.3494E-01	0.5980E-01				
2.149	-0.6023E-01	-0.2109	0.3382E-01	0.5981E-01				
2.158	-0.1158E-01	-0.6556E-01	0.3318E-01	0.5982E-01				
2.248	0.3615E-01	0.3754	0.3304E-01	0.5977E-01				
2.400	0.6128E-01	0.7448	0.3361E-01	0.5957E-01				
2.700	0.1011	1.103	0.3613E-01	0.5902E-01				
3.000	0.1500	1.309	0.4041E-01	0.5825E-01				
3.300	0.2043	1.329	0.4562E-01	0.5727E-01				
3.600	0.2713	1.323	0.5284E-01	0.5608E-01	0.1916E-01	3.940	0.4359E-07	0.6351
3.900	0.3579	1.317	0.6310E-01	0.5468E-01	0.1973E-01	3.859	0.4048E-07	0.6867
4.200	0.4769	1.309	0.7851E-01	0.5300E-01	0.2011E-01	3.747	0.3735E-07	0.7450
4.500	0.6554	1.291	0.1038	0.5097E-01	0.2030E-01	3.604	0.3373E-07	0.8247
4.800	0.9635	1.251	0.1519	0.4839E-01	0.2032E-01	3.422	0.2912E-07	0.9547
5.000	1.345	1.216	0.2172	0.4617E-01	0.2025E-01	3.271	0.2513E-07	1.107
5.100	1.660	1.190	0.2745	0.4481E-01	0.2020E-01	3.180	0.2270E-07	1.228
5.300	3.015	1.111	0.5456	0.4112E-01	0.2005E-01	2.947	0.1639E-07	1.715
5.500	9.258	0.9809	2.140	0.3375E-01	0.1962E-01	2.545	0.8090E-08	3.649
6.000	4.438	0.8061	2.157	0.1643E-01	0.1516E-01	1.970	0.2596E-07	1.798
6.500	2.625	0.7771	1.578	0.1257E-01	0.1459E-01	1.961	0.4862E-07	1.247
7.000	2.042	0.7624	1.373	0.1060E-01	0.1481E-01	2.005	0.6925E-07	1.062
8.000	1.582	0.7431	1.202	0.8354E-02	0.1576E-01	2.133	0.1092E-06	0.9086
9.000	1.386	0.7311	1.128	0.7019E-02	0.1681E-01	2.275	0.1491E-06	0.8440
10.00	1.278	0.7221	1.087	0.6101E-02	0.1783E-01	2.418	0.1899E-06	0.8098
12.00	1.164	0.7091	1.044	0.4886E-02	0.1979E-01	2.697	0.2760E-06	0.7760
15.00	1.088	0.6971	1.017	0.3803E-02	0.2252E-01	3.091	0.4175E-06	0.7550
20.00	1.037	0.6871	1.000	0.2803E-02	0.2666E-01	3.682	0.6877E-06	0.7407
25.00	1.017	0.6821	0.9948	0.2229E-02	0.3046E-01	4.210	0.9998E-06	0.7325
30.00	1.007	0.6781	0.9928	0.1853E-02	0.3404E-01	4.691	0.1352E-05	0.7258
40.00	0.9993	0.6741	0.9922	0.1388E-02	0.4070E-01	5.556	0.2172E-05	0.7141
50.00	0.9966	0.6721	0.9927	0.1111E-02	0.4690E-01	6.331	0.3136E-05	0.7041
60.00	0.9957	0.6711	0.9934	0.9266E-03	0.5276E-01	7.046	0.4237E-05	0.6955
80.00	0.9955	0.6701	0.9947	0.6958E-03	0.6370E-01	8.357	0.6822E-05	0.6822
100.0	0.9959	0.6691	0.9956	0.5572E-03	0.7389E-01	9.567	0.9888E-05	0.6729
120.0	0.9964	0.6681	0.9963	0.4646E-03	0.8350E-01	10.72	0.1340E-04	0.6667
140.0	0.9968	0.6681	0.9969	0.3984E-03	0.9267E-01	11.82	0.1735E-04	0.6626
160.0	0.9971	0.6681	0.9973	0.3488E-03	0.1015	12.90	0.2170E-04	0.6603
180.0	0.9974	0.6671	0.9976	0.3101E-03	0.1099	13.95	0.2645E-04	0.6591
200.0	0.9976	0.6671	0.9978	0.2792E-03	0.1181	15.01	0.3157E-04	0.6600
220.0	0.9979	0.6671	0.9981	0.2538E-03	0.1261	16.05	0.3707E-04	0.6607
240.0	0.9980	0.6671	0.9982	0.2327E-03	0.1339	17.05	0.4292E-04	0.6613
260.0	0.9982	0.6671	0.9984	0.2149E-03	0.1415	18.03	0.4912E-04	0.6618
280.0	0.9983	0.6671	0.9985	0.1995E-03	0.1489	18.99	0.5566E-04	0.6623
300.0	0.9984	0.6671	0.9986	0.1863E-03	0.1561	19.92	0.6254E-04	0.6626
350.0	0.9987	0.6671	0.9989	0.1597E-03	0.1737	22.19	0.8115E-04	0.6633
400.0	0.9989	0.6671	0.9990	0.1397E-03	0.1905	24.35	0.1017E-03	0.6638
500.0	0.9991	0.6671	0.9992	0.1118E-03	0.2224	28.46	0.1484E-03	0.6644
600.0	0.9993	0.6671	0.9994	0.9320E-04	0.2525	32.33	0.2022E-03	0.6647
700.0	0.9994	0.6661	0.9995	0.7989E-04	0.2812	36.00	0.2626E-03	0.6649
800.0	0.9995	0.6661	0.9996	0.6991E-04	0.3086	39.53	0.3294E-03	0.6650
900.0	0.9996	0.6661	0.9996	0.6214E-04	0.3351	42.92	0.4023E-03	0.6651
1000.	0.9996	0.6661	0.9997	0.5593E-04	0.3607	46.20	0.4811E-03	0.6651
1100.	0.9996	0.6661	0.9997	0.5085E-04	0.3856	49.39	0.5657E-03	0.6651
1200.	0.9997	0.6661	0.9997	0.4661E-04	0.4098	52.49	0.6559E-03	0.6651
1300.	0.9997	0.6661	0.9997	0.4303E-04	0.4334	55.51	0.7515E-03	0.6651
1400.	0.9997	0.6661	0.9998	0.3996E-04	0.4565	58.46	0.8523E-03	0.6651
1500.	0.9998	0.6661	0.9998	0.3729E-04	0.4791	61.36	0.9584E-03	0.6650

PRESSURE = 0.350 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
0.8000	150.7	1.397	0.4324E-01	2.365	0.3627E-02	0.2071E-01	0.2072E-01	265.8
1.000	150.7	1.118	0.5420E-01	2.376	0.1565E-01	0.1064	0.1064	265.2
1.200	150.7	0.9315	0.9533E-01	2.417	0.5242E-01	0.3362	0.3362	264.4
1.400	150.8	0.7982	0.2063	2.527	0.1363	0.8149	0.8158	263.1
1.600	150.9	0.6977	0.4493	2.768	0.2959	1.660	1.665	261.0
1.800	151.2	0.6190	0.9143	3.229	0.5654	3.030	3.049	257.6
2.000	151.7	0.5552	1.746	4.052	0.9970	5.385	5.450	252.8
1 2.043	151.9	0.5430	1.999	4.303	1.121	6.195	6.282	251.4
2 2.133	152.4	0.5185	2.698	4.895	1.452	9.058	10.14	247.3
3 2.142	152.4	0.5161	2.799	5.095	1.499	12.40	12.96	246.5
3 2.144	152.4	0.5155	2.827	5.123	1.512	7.693	7.806	247.1
2 2.153	152.5	0.5133	2.880	5.175	1.536	4.826	4.831	248.0
1 2.243	152.4	0.4931	3.167	5.464	1.668	2.536	2.569	250.3
2.400	151.9	0.4623	3.514	5.819	1.821	1.993	2.083	252.8
2.700	150.5	0.4145	4.097	6.421	2.058	1.859	2.060	252.8
3.000	148.7	0.3777	4.701	7.054	2.280	1.898	2.256	249.9
3.300	146.4	0.3488	5.395	7.786	2.512	2.091	2.633	244.9
3.600	143.6	0.3260	6.196	8.635	2.758	2.255	3.023	238.3
3.900	140.2	0.3081	7.105	9.600	3.015	2.369	3.419	230.5
4.200	136.3	0.2943	8.123	10.68	3.284	2.445	3.859	221.6
4.500	131.7	0.2844	9.269	11.93	3.569	2.500	4.411	211.1
4.800	125.9	0.2787	10.58	13.36	3.877	2.545	5.201	198.3
5.000	121.3	0.2779	11.59	14.48	4.104	2.575	6.000	188.1
5.100	118.5	0.2787	12.15	15.10	4.228	2.592	6.552	182.3
5.300	111.9	0.2840	13.44	16.57	4.509	2.631	8.258	168.9
5.500	102.6	0.2986	15.12	18.53	4.873	2.687	11.90	152.7
6.000	60.65	0.4630	22.38	28.15	6.542	2.934	19.26	125.6
6.500	41.87	0.6191	27.05	35.41	7.707	3.019	11.31	132.7
7.000	33.96	0.7087	30.03	40.34	8.439	3.046	8.808	142.0
8.000	25.97	0.8109	34.65	48.13	9.482	3.074	7.110	158.2
9.000	21.55	0.8687	38.64	54.88	10.28	3.091	6.466	171.7
10.00	18.61	0.9056	42.35	61.16	10.94	3.103	6.130	183.6
12.00	14.80	0.9487	49.38	73.03	12.02	3.119	5.786	204.3
15.00	11.47	0.9793	59.48	89.99	13.29	3.129	5.553	230.5
20.00	8.433	0.9990	75.78	117.3	14.86	3.132	5.390	267.2
25.00	6.701	1.006	91.80	144.0	16.05	3.131	5.317	298.7
30.00	5.570	1.008	107.7	170.5	17.02	3.129	5.277	326.9
40.00	4.174	1.009	139.2	223.1	18.53	3.126	5.238	376.6
50.00	3.341	1.009	170.6	275.3	19.70	3.124	5.220	420.2
60.00	2.787	1.008	201.9	327.5	20.65	3.122	5.211	459.6
80.00	2.093	1.006	264.4	431.6	22.14	3.120	5.201	529.6
100.0	1.676	1.005	326.8	535.6	23.30	3.119	5.198	591.4
120.0	1.398	1.004	389.2	639.5	24.25	3.118	5.196	647.2
140.0	1.199	1.004	451.5	743.4	25.05	3.118	5.195	698.6
160.0	1.050	1.003	513.9	847.3	25.75	3.117	5.194	746.5
180.0	0.9334	1.003	576.2	951.2	26.36	3.117	5.193	791.5
200.0	0.8404	1.003	638.5	1055.	26.90	3.117	5.193	834.1
220.0	0.7642	1.002	700.9	1159.	27.40	3.117	5.193	874.6
240.0	0.7006	1.002	763.2	1263.	27.85	3.117	5.193	913.3
260.0	0.6468	1.002	825.5	1367.	28.27	3.117	5.193	950.4
280.0	0.6007	1.002	887.8	1470.	28.65	3.117	5.193	986.1
300.0	0.5608	1.002	950.2	1574.	29.01	3.116	5.193	1021.
350.0	0.4808	1.001	1106.	1834.	29.81	3.116	5.193	1102.
400.0	0.4208	1.001	1262.	2094.	30.50	3.116	5.193	1178.
500.0	0.3367	1.001	1573.	2613.	31.66	3.116	5.193	1317.
600.0	0.2806	1.001	1885.	3132.	32.61	3.116	5.193	1442.
700.0	0.2406	1.001	2197.	3651.	33.41	3.116	5.193	1558.
800.0	0.2105	1.001	2508.	4171.	34.10	3.116	5.193	1665.
900.0	0.1871	1.000	2820.	4690.	34.71	3.116	5.193	1766.
1000.	0.1684	1.000	3131.	5209.	35.26	3.116	5.193	1861.
1100.	0.1531	1.000	3443.	5729.	35.76	3.116	5.193	1952.
1200.	0.1404	1.000	3754.	6248.	36.21	3.116	5.193	2039.
1300.	0.1296	1.000	4066.	6767.	36.62	3.116	5.193	2122.
1400.	0.1203	1.000	4378.	7286.	37.01	3.116	5.193	2202.
1500.	0.1123	1.000	4689.	7806.	37.37	3.116	5.193	2279.

PRESSURE = 0.350 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m²/s]	PRANDTL
0.8000	0.1866E+03	0.7954	0.3287E-01	0.5945E-01				
1.000	0.1748E+03	0.1156	0.3301E-01	0.5945E-01				
1.200	-0.9630E+03	-0.1668	0.3322E-01	0.5945E-01				
1.400	-0.4267E-02	-0.2586	0.3357E-01	0.5947E-01				
1.600	-0.1107E-01	-0.2829	0.3416E-01	0.5953E-01				
1.800	-0.2317E-01	-0.2802	0.3510E-01	0.5965E-01				
2.000	-0.4523E-01	-0.2652	0.3653E-01	0.5986E-01				
2.043	-0.5339E-01	-0.2629	0.3697E-01	0.5992E-01				
2.133	-0.1003	-0.2838	0.3863E-01	0.6010E-01				
2.142	-0.1436	-0.3144	0.3950E-01	0.6013E-01				
2.144	-0.6351E-01	-0.2317	0.3815E-01	0.6014E-01				
2.153	-0.1397E-01	-0.8260E-01	0.3737E-01	0.6015E-01				
2.243	0.3412E-01	0.3712	0.3712E-01	0.6010E-01				
2.400	0.5951E-01	0.7605	0.3771E-01	0.5990E-01				
2.700	0.9706E-01	1.115	0.4030E-01	0.5938E-01				
3.000	0.1430	1.319	0.4480E-01	0.5864E-01				
3.300	0.1938	1.338	0.5021E-01	0.5770E-01				
3.600	0.2555	1.333	0.5757E-01	0.5657E-01	0.1937E-01	4.032	0.4462E-07	0.6294
3.900	0.3334	1.329	0.6777E-01	0.5524E-01	0.1997E-01	3.953	0.4166E-07	0.6767
4.200	0.4369	1.324	0.8251E-01	0.5367E-01	0.2040E-01	3.846	0.3878E-07	0.7275
4.500	0.5837	1.310	0.1053	0.5181E-01	0.2065E-01	3.712	0.3556E-07	0.7929
4.800	0.8141	1.282	0.1445	0.4952E-01	0.2073E-01	3.548	0.3165E-07	0.8903
5.000	1.062	1.252	0.1902	0.4766E-01	0.2070E-01	3.418	0.2845E-07	0.9907
5.100	1.240	1.232	0.2247	0.4657E-01	0.2067E-01	3.344	0.2661E-07	1.060
5.300	1.811	1.181	0.3439	0.4394E-01	0.2057E-01	3.171	0.2225E-07	1.273
5.500	3.101	1.106	0.6476	0.4023E-01	0.2035E-01	2.945	0.1667E-07	1.722
6.000	6.383	0.8716	2.401	0.2366E-01	0.1720E-01	2.224	0.1473E-07	2.489
6.500	3.386	0.8110	1.779	0.1630E-01	0.1556E-01	2.079	0.3288E-07	1.511
7.000	2.405	0.7862	1.478	0.1321E-01	0.1543E-01	2.087	0.5160E-07	1.191
8.000	1.728	0.7599	1.246	0.1009E-01	0.1618E-01	2.187	0.8761E-07	0.9610
9.000	1.468	0.7439	1.152	0.8370E-02	0.1715E-01	2.316	0.1231E-06	0.8734
10.00	1.332	0.7325	1.102	0.7224E-02	0.1813E-01	2.452	0.1590E-06	0.8291
12.00	1.193	0.7170	1.051	0.5744E-02	0.2003E-01	2.724	0.2339E-06	0.7866
15.00	1.102	0.7032	1.019	0.4450E-02	0.2271E-01	3.111	0.3565E-06	0.7608
20.00	1.043	0.6910	1.000	0.3270E-02	0.2680E-01	3.697	0.5895E-06	0.7436
25.00	1.020	0.6846	0.9939	0.2598E-02	0.3057E-01	4.222	0.8582E-06	0.7342
30.00	1.008	0.6807	0.9916	0.2159E-02	0.3413E-01	4.702	0.1161E-05	0.7270
40.00	0.9991	0.6762	0.9908	0.1618E-02	0.4078E-01	5.565	0.1865E-05	0.7148
50.00	0.9960	0.6738	0.9915	0.1295E-02	0.4697E-01	6.339	0.2693E-05	0.7045
60.00	0.9950	0.6723	0.9923	0.1080E-02	0.5282E-01	7.053	0.3638E-05	0.6958
80.00	0.9948	0.6706	0.9938	0.8111E-03	0.6376E-01	8.363	0.5856E-05	0.6823
100.0	0.9952	0.6696	0.9949	0.6496E-03	0.7394E-01	9.573	0.8486E-05	0.6730
120.0	0.9958	0.6690	0.9957	0.5417E-03	0.8355E-01	10.72	0.1150E-04	0.6667
140.0	0.9962	0.6686	0.9963	0.4646E-03	0.9271E-01	11.83	0.1488E-04	0.6627
160.0	0.9966	0.6683	0.9968	0.4067E-03	0.1015	12.90	0.1862E-04	0.6603
180.0	0.9970	0.6681	0.9972	0.3617E-03	0.1100	13.96	0.2269E-04	0.6590
200.0	0.9973	0.6679	0.9975	0.3256E-03	0.1182	15.02	0.2708E-04	0.6599
220.0	0.9975	0.6678	0.9977	0.2961E-03	0.1262	16.05	0.3179E-04	0.6607
240.0	0.9977	0.6677	0.9979	0.2714E-03	0.1339	17.05	0.3681E-04	0.6613
260.0	0.9979	0.6676	0.9981	0.2505E-03	0.1415	18.03	0.4213E-04	0.6617
280.0	0.9981	0.6675	0.9983	0.2327E-03	0.1489	18.99	0.4773E-04	0.6622
300.0	0.9982	0.6675	0.9984	0.2173E-03	0.1562	19.92	0.5363E-04	0.6625
350.0	0.9985	0.6673	0.9987	0.1863E-03	0.1737	22.19	0.6958E-04	0.6632
400.0	0.9987	0.6672	0.9989	0.1630E-03	0.1905	24.35	0.8721E-04	0.6636
500.0	0.9990	0.6671	0.9991	0.1304E-03	0.2225	28.46	0.1273E-03	0.6642
600.0	0.9992	0.6670	0.9993	0.1087E-03	0.2526	32.32	0.1733E-03	0.6645
700.0	0.9993	0.6670	0.9994	0.9320E-04	0.2812	36.00	0.2251E-03	0.6647
800.0	0.9994	0.6669	0.9995	0.8156E-04	0.3087	39.52	0.2824E-03	0.6648
900.0	0.9995	0.6669	0.9996	0.7250E-04	0.3351	42.91	0.3449E-03	0.6649
1000.	0.9995	0.6669	0.9996	0.6525E-04	0.3608	46.19	0.4125E-03	0.6649
1100.	0.9996	0.6668	0.9996	0.5932E-04	0.3856	49.38	0.4850E-03	0.6649
1200.	0.9996	0.6668	0.9997	0.5438E-04	0.4098	52.48	0.5622E-03	0.6649
1300.	0.9997	0.6668	0.9997	0.5020E-04	0.4334	55.50	0.6442E-03	0.6649
1400.	0.9997	0.6668	0.9997	0.4661E-04	0.4565	58.45	0.7307E-03	0.6649
1500.	0.9997	0.6668	0.9998	0.4351E-04	0.4791	61.34	0.8216E-03	0.6648

PRESSURE = 0.400 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
0.8000	151.4	1.590	0.5464E-01	2.696	0.3562E-02	0.2037E-01	0.2037E-01	269.7
1.000	151.4	1.272	0.6567E-01	2.707	0.1561E-01	0.1072	0.1072	269.0
1.200	151.4	1.060	0.1073	2.749	0.5272E-01	0.3393	0.3394	267.9
1.400	151.5	0.9079	0.2195	2.860	0.1374	0.8218	0.8229	266.3
1.600	151.7	0.7936	0.4651	3.103	0.2982	1.672	1.678	263.9
1.800	152.0	0.7039	0.9344	3.566	0.5698	3.049	3.071	260.7
2.000	152.5	0.6312	1.774	4.396	1.005	5.423	5.497	256.2
1 2.038	152.7	0.6190	1.996	4.616	1.114	6.133	6.230	255.1
2 2.128	153.1	0.5910	2.690	5.302	1.443	9.739	10.05	250.9
3 2.137	153.2	0.5882	2.790	5.401	1.489	12.23	12.84	250.1
3 2.139	153.2	0.5876	2.820	5.430	1.503	7.608	7.736	250.7
2 2.148	153.3	0.5850	2.872	5.482	1.527	4.771	4.778	251.6
1 2.238	153.2	0.5619	3.155	5.767	1.657	2.506	2.535	254.1
2.400	152.7	0.5256	3.508	6.128	1.813	1.961	2.049	256.8
2.700	151.4	0.4711	4.078	6.721	2.046	1.836	2.029	257.1
3.000	149.6	0.4289	4.670	7.342	2.264	1.877	2.218	254.4
3.300	147.4	0.3959	5.348	8.062	2.493	2.073	2.588	249.7
3.600	144.7	0.3697	6.131	8.895	2.734	2.239	2.965	243.4
3.900	141.5	0.3488	7.015	9.841	2.986	2.354	3.339	236.2
4.200	137.9	0.3326	8.000	10.90	3.248	2.430	3.743	228.0
4.500	133.5	0.3205	9.099	12.09	3.522	2.484	4.228	218.4
4.800	128.4	0.3126	10.34	13.45	3.814	2.527	4.876	207.1
5.000	124.2	0.3100	11.27	14.49	4.025	2.555	5.477	198.2
5.100	121.9	0.3097	11.77	15.05	4.137	2.570	5.861	193.3
5.300	116.6	0.3117	12.89	16.32	4.381	2.602	6.908	182.3
5.500	109.8	0.3188	14.22	17.86	4.666	2.642	8.634	169.5
6.000	80.30	0.3997	19.46	24.44	5.805	2.823	17.88	136.5
6.500	53.54	0.5533	25.02	32.49	7.096	2.969	13.39	134.3
7.000	41.65	0.6605	28.60	38.20	7.944	3.020	9.944	141.8
8.000	30.76	0.7824	33.70	46.71	9.083	3.062	7.555	157.7
9.000	25.17	0.8499	37.89	53.78	9.918	3.084	6.713	171.5
10.00	21.58	0.8925	41.73	60.27	10.60	3.099	6.293	183.6
12.00	17.04	0.9418	48.90	72.38	11.71	3.118	5.877	204.6
15.00	13.14	0.9767	59.11	89.55	12.98	3.130	5.605	231.0
20.00	9.638	0.9990	75.53	117.0	14.57	3.134	5.418	267.9
25.00	7.652	1.007	91.61	143.9	15.77	3.133	5.334	299.4
30.00	6.358	1.009	107.5	170.4	16.73	3.131	5.289	327.6
40.00	4.764	1.011	139.1	223.1	18.25	3.127	5.244	377.2
50.00	3.814	1.010	170.5	275.4	19.42	3.125	5.224	420.8
60.00	3.181	1.009	201.8	327.6	20.37	3.123	5.213	460.2
80.00	2.390	1.007	264.4	431.7	21.87	3.121	5.203	530.1
100.0	1.914	1.006	326.8	535.7	23.03	3.119	5.198	591.8
120.0	1.597	1.005	389.2	639.7	23.97	3.119	5.196	647.6
140.0	1.370	1.004	451.5	743.6	24.77	3.118	5.195	699.0
160.0	1.199	1.004	513.9	847.5	25.47	3.118	5.194	746.8
180.0	1.066	1.003	576.2	951.3	26.08	3.117	5.194	791.8
200.0	0.9601	1.003	638.6	1055.	26.63	3.117	5.193	834.3
220.0	0.8730	1.003	700.9	1159.	27.12	3.117	5.193	874.8
240.0	0.8005	1.002	763.2	1263.	27.57	3.117	5.193	913.5
260.0	0.7390	1.002	825.5	1367.	27.99	3.117	5.193	950.6
280.0	0.6864	1.002	887.9	1471.	28.37	3.117	5.193	986.4
300.0	0.6407	1.002	950.2	1574.	28.73	3.117	5.193	1021.
350.0	0.5493	1.002	1106.	1834.	29.53	3.116	5.193	1102.
400.0	0.4808	1.001	1262.	2094.	30.23	3.116	5.193	1178.
500.0	0.3847	1.001	1573.	2613.	31.39	3.116	5.193	1317.
600.0	0.3207	1.001	1885.	3132.	32.33	3.116	5.193	1442.
700.0	0.2749	1.001	2197.	3652.	33.13	3.116	5.193	1558.
800.0	0.2406	1.001	2508.	4171.	33.83	3.116	5.193	1665.
900.0	0.2139	1.001	2820.	4690.	34.44	3.116	5.193	1766.
1000.	0.1925	1.000	3131.	5209.	34.98	3.116	5.193	1861.
1100.	0.1750	1.000	3443.	5729.	35.48	3.116	5.193	1952.
1200.	0.1604	1.000	3754.	6248.	35.93	3.116	5.193	2039.
1300.	0.1481	1.000	4066.	6767.	36.35	3.116	5.193	2122.
1400.	0.1375	1.000	4378.	7287.	36.73	3.116	5.193	2202.
1500.	0.1283	1.000	4689.	7806.	37.09	3.116	5.193	2279.

PRESSURE = 0.400 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.1314E-03	0.5862	0.3632E-01	0.5973E-01				
1.000	0.3713E-04	0.2507E-01	0.3649E-01	0.5973E-01				
1.200	-0.1227E-02	-0.2162	0.3681E-01	0.5973E-01				
1.400	-0.4748E-02	-0.2922	0.3729E-01	0.5976E-01				
1.600	-0.1192E-01	-0.3092	0.3800E-01	0.5982E-01				
1.800	-0.2456E-01	-0.3021	0.3900E-01	0.5995E-01				
2.000	-0.4782E-01	-0.2856	0.4048E-01	0.6017E-01				
2.038	-0.5540E-01	-0.2839	0.4090E-01	0.6023E-01				
2.128	-0.1041	-0.3066	0.4281E-01	0.6042E-01				
2.137	-0.1481	-0.3376	0.4383E-01	0.6045E-01				
2.139	-0.6647E-01	-0.2524	0.4224E-01	0.6046E-01				
2.148	-0.1613E-01	-0.9947E-01	0.4131E-01	0.6047E-01				
2.238	0.3228E-01	0.3673	0.4094E-01	0.6043E-01				
2.400	0.5797E-01	0.7773	0.4153E-01	0.6023E-01				
2.700	0.9346E-01	1.128	0.4417E-01	0.5972E-01				
3.000	0.1367	1.329	0.4881E-01	0.5902E-01				
3.300	0.1845	1.347	0.5436E-01	0.5811E-01				
3.600	0.2417	1.342	0.6179E-01	0.5703E-01	0.1956E-01	4.122	0.4560E-07	0.6247
3.900	0.3127	1.339	0.7186E-01	0.5577E-01	0.2020E-01	4.044	0.4274E-07	0.6685
4.200	0.4043	1.337	0.8599E-01	0.5429E-01	0.2068E-01	3.941	0.4007E-07	0.7134
4.500	0.5291	1.327	0.1069	0.5256E-01	0.2098E-01	3.814	0.3716E-07	0.7687
4.800	0.7122	1.305	0.1402	0.5049E-01	0.2111E-01	3.662	0.3373E-07	0.8460
5.000	0.8928	1.281	0.1756	0.4885E-01	0.2112E-01	3.545	0.3103E-07	0.9196
5.100	1.012	1.265	0.2003	0.4792E-01	0.2110E-01	3.481	0.2952E-07	0.9669
5.300	1.350	1.226	0.2741	0.4579E-01	0.2103E-01	3.337	0.2611E-07	1.096
5.500	1.936	1.172	0.4141	0.4310E-01	0.2089E-01	3.165	0.2203E-07	1.308
6.000	5.544	0.9622	1.695	0.3140E-01	0.1911E-01	2.562	0.1331E-07	2.398
6.500	4.118	0.8526	1.870	0.2087E-01	0.1673E-01	2.238	0.2333E-07	1.792
7.000	2.817	0.8138	1.573	0.1621E-01	0.1616E-01	2.184	0.3903E-07	1.344
8.000	1.888	0.7773	1.290	0.1195E-01	0.1664E-01	2.246	0.7159E-07	1.020
9.000	1.554	0.7570	1.175	0.9782E-02	0.1751E-01	2.360	0.1036E-06	0.9047
10.00	1.387	0.7431	1.116	0.8380E-02	0.1844E-01	2.488	0.1358E-06	0.8490
12.00	1.221	0.7247	1.057	0.6614E-02	0.2028E-01	2.751	0.2025E-06	0.7971
15.00	1.116	0.7085	1.021	0.5100E-02	0.2290E-01	3.131	0.3109E-06	0.7663
20.00	1.049	0.6946	0.9999	0.3738E-02	0.2694E-01	3.712	0.5160E-06	0.7463
25.00	1.022	0.6872	0.9929	0.2967E-02	0.3069E-01	4.235	0.7521E-06	0.7359
30.00	1.010	0.6827	0.9904	0.2465E-02	0.3423E-01	4.713	0.1018E-05	0.7281
40.00	0.9990	0.6776	0.9895	0.1847E-02	0.4086E-01	5.574	0.1635E-05	0.7154
50.00	0.9955	0.6748	0.9903	0.1478E-02	0.4704E-01	6.347	0.2361E-05	0.7049
60.00	0.9943	0.6731	0.9912	0.1233E-02	0.5288E-01	7.061	0.3189E-05	0.6961
80.00	0.9940	0.6711	0.9929	0.9262E-03	0.6381E-01	8.370	0.5132E-05	0.6825
100.0	0.9946	0.6701	0.9942	0.7418E-03	0.7398E-01	9.580	0.7434E-05	0.6731
120.0	0.9952	0.6694	0.9951	0.6188E-03	0.8359E-01	10.73	0.1007E-04	0.6667
140.0	0.9957	0.6689	0.9958	0.5307E-03	0.9275E-01	11.83	0.1304E-04	0.6627
160.0	0.9961	0.6686	0.9964	0.4646E-03	0.1015	12.91	0.1630E-04	0.6603
180.0	0.9965	0.6683	0.9968	0.4132E-03	0.1100	13.96	0.1986E-04	0.6590
200.0	0.9969	0.6681	0.9971	0.3720E-03	0.1182	15.02	0.2371E-04	0.6599
220.0	0.9971	0.6680	0.9974	0.3383E-03	0.1262	16.05	0.2783E-04	0.6606
240.0	0.9974	0.6678	0.9977	0.3101E-03	0.1340	17.06	0.3223E-04	0.6612
260.0	0.9976	0.6677	0.9979	0.2863E-03	0.1415	18.03	0.3688E-04	0.6617
280.0	0.9978	0.6676	0.9980	0.2659E-03	0.1489	18.99	0.4179E-04	0.6621
300.0	0.9979	0.6676	0.9982	0.2482E-03	0.1562	19.93	0.4695E-04	0.6624
350.0	0.9982	0.6674	0.9985	0.2128E-03	0.1738	22.19	0.6091E-04	0.6630
400.0	0.9985	0.6673	0.9987	0.1863E-03	0.1906	24.35	0.7634E-04	0.6635
500.0	0.9988	0.6672	0.9990	0.1491E-03	0.2225	28.46	0.1114E-03	0.6641
600.0	0.9990	0.6671	0.9992	0.1242E-03	0.2526	32.32	0.1517E-03	0.6644
700.0	0.9992	0.6670	0.9993	0.1065E-03	0.2813	35.99	0.1970E-03	0.6646
800.0	0.9993	0.6670	0.9994	0.9320E-04	0.3087	39.51	0.2471E-03	0.6647
900.0	0.9994	0.6669	0.9995	0.8285E-04	0.3352	42.90	0.3018E-03	0.6647
1000.	0.9995	0.6669	0.9995	0.7457E-04	0.3608	46.18	0.3610E-03	0.6647
1100.	0.9995	0.6669	0.9996	0.6779E-04	0.3857	49.37	0.4244E-03	0.6647
1200.	0.9996	0.6668	0.9996	0.6215E-04	0.4099	52.47	0.4920E-03	0.6647
1300.	0.9996	0.6668	0.9997	0.5737E-04	0.4335	55.49	0.5637E-03	0.6647
1400.	0.9996	0.6668	0.9997	0.5327E-04	0.4586	58.44	0.6394E-03	0.6647
1500.	0.9997	0.6668	0.9997	0.4972E-04	0.4792	61.33	0.7190E-03	0.6647

PRESSURE = 0.500 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	Cv [J/g*K]	Cp [J/g*K]	VSOUND [m/s]
0.8000	152.8	1.970	0.8059E-01	3.354	0.3493E-02	0.2006E-01	0.2006E-01	276.9
1.000	152.8	1.576	0.9189E-01	3.365	0.1570E-01	0.1093	0.1093	276.2
1.200	152.8	1.313	0.1347	3.407	0.5357E-01	0.3461	0.3464	274.6
1.400	152.9	1.125	0.2497	3.520	0.1389	0.8361	0.8380	272.4
1.600	153.1	0.9828	0.5007	3.767	0.3035	1.697	1.705	269.8
1.800	153.4	0.8716	0.9792	4.238	0.5792	3.088	3.117	266.9
2.000	154.0	0.7813	1.835	5.081	1.021	5.510	5.604	262.8
1 2.027	154.1	0.7705	1.994	5.237	1.099	6.017	6.132	262.0
2 2.117	154.7	0.7353	2.680	5.913	1.424	9.515	9.890	257.7
3 2.126	154.7	0.7318	2.779	6.010	1.470	11.91	12.63	256.8
3 2.128	154.8	0.7310	2.810	6.041	1.484	7.434	7.590	257.4
2 2.137	154.8	0.7278	2.861	6.091	1.508	4.661	4.673	258.3
1 2.227	154.7	0.6988	3.137	6.369	1.636	2.446	2.471	261.1
2.400	154.2	0.6504	3.500	6.743	1.798	1.900	1.985	264.4
2.700	153.0	0.5826	4.051	7.318	2.024	1.792	1.973	265.2
3.000	151.4	0.5299	4.617	7.920	2.235	1.839	2.151	262.9
3.300	149.3	0.4885	5.269	8.617	2.457	2.039	2.508	258.6
3.600	146.8	0.4554	6.018	9.424	2.690	2.208	2.864	253.0
3.900	143.9	0.4288	6.861	10.33	2.933	2.325	3.206	246.6
4.200	140.6	0.4075	7.793	11.35	3.183	2.402	3.558	239.5
4.500	136.8	0.3910	8.819	12.47	3.442	2.455	3.955	231.4
4.800	132.4	0.3789	9.953	13.73	3.712	2.497	4.440	222.1
5.000	129.0	0.3732	10.78	14.66	3.901	2.523	4.846	215.0
5.100	127.1	0.3712	11.22	15.15	4.000	2.535	5.084	211.2
5.300	123.1	0.3691	12.16	16.23	4.206	2.562	5.662	202.9
5.500	118.3	0.3698	13.21	17.43	4.429	2.591	6.434	193.6
6.000	102.1	0.3930	16.52	21.42	5.121	2.689	10.04	166.5
6.500	78.18	0.4737	21.18	27.58	6.104	2.838	13.50	147.1
7.000	59.44	0.5785	25.52	33.93	7.047	2.946	11.65	146.3
8.000	41.34	0.7279	31.68	43.78	8.367	3.031	8.505	158.4
9.000	32.87	0.8136	36.35	51.56	9.285	3.068	7.241	171.8
10.00	27.76	0.8672	40.46	58.47	10.01	3.090	6.635	184.1
12.00	21.60	0.9286	47.94	71.09	11.16	3.116	6.065	205.3
15.00	16.51	0.9717	58.39	88.67	12.47	3.132	5.710	232.1
20.00	12.05	0.9991	75.02	116.5	14.08	3.138	5.472	269.1
25.00	9.547	1.008	91.23	143.6	15.29	3.137	5.368	300.7
30.00	7.929	1.012	107.2	170.3	16.26	3.135	5.312	328.9
40.00	5.940	1.013	138.9	223.1	17.78	3.130	5.257	378.5
50.00	4.756	1.012	170.4	275.5	18.95	3.127	5.231	422.0
60.00	3.968	1.011	201.7	327.8	19.90	3.125	5.218	461.3
80.00	2.982	1.009	264.3	432.0	21.40	3.122	5.205	531.1
100.0	2.390	1.007	326.8	536.0	22.56	3.120	5.199	592.6
120.0	1.994	1.006	389.2	640.0	23.51	3.119	5.197	648.4
140.0	1.710	1.005	451.5	743.9	24.31	3.119	5.195	699.7
160.0	1.498	1.005	513.9	847.8	25.00	3.118	5.194	747.5
180.0	1.332	1.004	576.2	951.7	25.62	3.118	5.194	782.4
200.0	1.199	1.004	638.6	1056.	26.16	3.117	5.193	834.9
220.0	1.091	1.003	700.9	1159.	26.66	3.117	5.193	875.3
240.0	1.000	1.003	763.2	1263.	27.11	3.117	5.193	914.0
260.0	0.9233	1.003	825.6	1367.	27.53	3.117	5.193	951.1
280.0	0.8575	1.002	887.9	1471.	27.91	3.117	5.193	986.8
300.0	0.8005	1.002	950.2	1575.	28.27	3.117	5.193	1021.
350.0	0.6864	1.002	1106.	1834.	29.07	3.117	5.193	1103.
400.0	0.6008	1.002	1262.	2094.	29.76	3.116	5.193	1179.
500.0	0.4808	1.001	1573.	2613.	30.92	3.116	5.193	1317.
600.0	0.4008	1.001	1865.	3133.	31.87	3.116	5.193	1443.
700.0	0.3436	1.001	2197.	3652.	32.67	3.116	5.193	1558.
800.0	0.3007	1.001	2508.	4171.	33.36	3.116	5.193	1665.
900.0	0.2673	1.001	2820.	4690.	33.97	3.116	5.193	1766.
1000.	0.2406	1.001	3131.	5210.	34.52	3.116	5.193	1862.
1100.	0.2187	1.001	3443.	5729.	35.02	3.116	5.193	1952.
1200.	0.2005	1.000	3754.	6248.	35.47	3.116	5.193	2039.
1300.	0.1851	1.000	4066.	6768.	35.88	3.116	5.193	2122.
1400.	0.1719	1.000	4378.	7287.	36.27	3.116	5.193	2202.
1500.	0.1604	1.000	4689.	7806.	36.63	3.116	5.193	2280.

PRESSURE = 0.500 [MPa]

TEMP (K)	$\left(\frac{\partial V}{\partial T}\right)_P$	$\left(\frac{\partial F}{\partial T}\right)_V$	$\left(\frac{\partial P}{\partial \rho}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	0.3897E-04	0.1862	0.4268E-01	0.6027E-01				
1.000	-0.3047E-03	-0.2126	0.4292E-01	0.6027E-01				
1.200	-0.1912E-02	-0.3469	0.4343E-01	0.6028E-01				
1.400	-0.5867E-02	-0.3711	0.4417E-01	0.6031E-01				
1.600	-0.1357E-01	-0.3619	0.4510E-01	0.6039E-01				
1.800	-0.2694E-01	-0.3420	0.4618E-01	0.6053E-01				
2.000	-0.5278E-01	-0.3252	0.4781E-01	0.6078E-01				
2.027	-0.5890E-01	-0.3252	0.4817E-01	0.6082E-01				
2.117	-0.1114	-0.3533	0.5060E-01	0.6103E-01				
2.126	-0.1567	-0.3851	0.5195E-01	0.6106E-01				
2.128	-0.7150E-01	-0.2932	0.4980E-01	0.6107E-01				
2.137	-0.1985E-01	-0.1327	0.4853E-01	0.6108E-01				
2.227	0.2906E-01	0.3602	0.4790E-01	0.6105E-01				
2.400	0.5539E-01	0.8127	0.4847E-01	0.6084E-01				
2.700	0.8726E-01	1.152	0.5112E-01	0.6037E-01				
3.000	0.1259	1.348	0.5590E-01	0.5872E-01				
3.300	0.1687	1.363	0.6160E-01	0.5888E-01				
3.600	0.2188	1.358	0.6904E-01	0.5788E-01	0.1994E-01	4.298	0.4741E-07	0.6175
3.900	0.2793	1.358	0.7879E-01	0.5673E-01	0.2064E-01	4.221	0.4471E-07	0.6557
4.200	0.3542	1.359	0.9185E-01	0.5540E-01	0.2118E-01	4.121	0.4233E-07	0.6924
4.500	0.4504	1.355	0.1099	0.5387E-01	0.2156E-01	4.003	0.3986E-07	0.7341
4.800	0.5798	1.342	0.1361	0.5209E-01	0.2179E-01	3.867	0.3707E-07	0.7880
5.000	0.6946	1.326	0.1610	0.5074E-01	0.2186E-01	3.785	0.3497E-07	0.8348
5.100	0.7645	1.315	0.1768	0.5000E-01	0.2187E-01	3.711	0.3383E-07	0.8628
5.300	0.9394	1.288	0.2182	0.4837E-01	0.2186E-01	3.595	0.3137E-07	0.9313
5.500	1.184	1.253	0.2800	0.4650E-01	0.2179E-01	3.467	0.2862E-07	1.024
6.000	2.438	1.122	0.6598	0.4003E-01	0.2114E-01	3.076	0.2062E-07	1.461
6.500	3.903	0.9626	1.406	0.3057E-01	0.1918E-01	2.646	0.1817E-07	1.863
7.000	3.354	0.8808	1.553	0.2319E-01	0.1787E-01	2.437	0.2581E-07	1.588
8.000	2.213	0.8161	1.352	0.1609E-01	0.1767E-01	2.382	0.5026E-07	1.146
9.000	1.733	0.7851	1.216	0.1278E-01	0.1831E-01	2.457	0.7691E-07	0.9716
10.00	1.499	0.7652	1.142	0.1079E-01	0.1911E-01	2.565	0.1038E-06	0.8903
12.00	1.278	0.7403	1.069	0.8389E-02	0.2081E-01	2.806	0.1589E-06	0.8179
15.00	1.144	0.7194	1.025	0.6410E-02	0.2332E-01	3.172	0.2473E-06	0.7767
20.00	1.060	0.7016	0.9991	0.4673E-02	0.2726E-01	3.742	0.4135E-06	0.7512
25.00	1.027	0.6923	0.9908	0.3703E-02	0.3095E-01	4.259	0.6039E-06	0.7388
30.00	1.012	0.6867	0.9878	0.3075E-02	0.3445E-01	4.735	0.8180E-06	0.7300
40.00	0.9986	0.6803	0.9869	0.2303E-02	0.4103E-01	5.593	0.1314E-05	0.7165
50.00	0.9943	0.6769	0.9878	0.1843E-02	0.4718E-01	6.364	0.1896E-05	0.7056
60.00	0.9928	0.6747	0.9890	0.1538E-02	0.5300E-01	7.076	0.2560E-05	0.6966
80.00	0.9926	0.6723	0.9912	0.1156E-02	0.6391E-01	8.384	0.4118E-05	0.6828
100.0	0.9932	0.6709	0.9927	0.9260E-03	0.7404E-01	9.592	0.5962E-05	0.6732
120.0	0.9939	0.6700	0.9939	0.7725E-03	0.8368E-01	10.74	0.8077E-05	0.6668
140.0	0.9946	0.6695	0.9948	0.6627E-03	0.9284E-01	11.84	0.1045E-04	0.6627
160.0	0.9952	0.6690	0.9955	0.5803E-03	0.1016	12.92	0.1306E-04	0.6603
180.0	0.9957	0.6687	0.9960	0.5161E-03	0.1101	13.97	0.1592E-04	0.6589
200.0	0.9961	0.6685	0.9964	0.4647E-03	0.1183	15.03	0.1800E-04	0.6598
220.0	0.9964	0.6683	0.9968	0.4226E-03	0.1263	16.06	0.2230E-04	0.6605
240.0	0.9967	0.6681	0.9971	0.3875E-03	0.1340	17.06	0.2581E-04	0.6610
260.0	0.9970	0.6680	0.9973	0.3577E-03	0.1416	18.04	0.2954E-04	0.6615
280.0	0.9972	0.6679	0.9975	0.3323E-03	0.1490	18.99	0.3347E-04	0.6619
300.0	0.9974	0.6678	0.9977	0.3102E-03	0.1563	19.93	0.3759E-04	0.6622
350.0	0.9978	0.6676	0.9981	0.2659E-03	0.1738	22.19	0.4877E-04	0.6628
400.0	0.9981	0.6675	0.9984	0.2328E-03	0.1907	24.35	0.6112E-04	0.6632
500.0	0.9985	0.6673	0.9987	0.1863E-03	0.2226	28.45	0.8915E-04	0.6638
600.0	0.9988	0.6672	0.9990	0.1553E-03	0.2527	32.31	0.1214E-03	0.6640
700.0	0.9990	0.6671	0.9991	0.1331E-03	0.2813	35.98	0.1577E-03	0.6642
800.0	0.9991	0.6670	0.9993	0.1165E-03	0.3088	39.50	0.1978E-03	0.6643
900.0	0.9993	0.6670	0.9994	0.1035E-03	0.3352	42.89	0.2415E-03	0.6644
1000.	0.9993	0.6669	0.9994	0.9320E-04	0.3608	46.17	0.2889E-03	0.6644
1100.	0.9994	0.6669	0.9995	0.8473E-04	0.3857	49.35	0.3396E-03	0.6644
1200.	0.9995	0.6669	0.9995	0.7768E-04	0.4099	52.44	0.3937E-03	0.6644
1300.	0.9995	0.6669	0.9996	0.7170E-04	0.4335	55.46	0.4511E-03	0.6644
1400.	0.9996	0.6669	0.9996	0.6658E-04	0.4566	58.41	0.5116E-03	0.6643
1500.	0.9996	0.6668	0.9996	0.6215E-04	0.4792	61.30	0.5753E-03	0.6643

PRESSURE = 0.600 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
0.8000	154.0	2.344	0.1103	4.005	0.3492E-02	0.2041E-01	0.2041E-01	283.4
1.000	154.1	1.875	0.1221	4.017	0.1602E-01	0.1122	0.1123	282.6
1.200	154.1	1.562	0.1665	4.060	0.5483E-01	0.3537	0.3542	280.8
1.400	154.2	1.338	0.2848	4.176	0.1429	0.8509	0.8537	278.3
1.600	154.4	1.169	0.5415	4.427	0.3093	1.722	1.733	275.6
1.800	154.8	1.037	1.029	4.905	0.5893	3.130	3.164	272.9
2.000	155.5	0.9289	1.904	5.763	1.039	5.612	5.731	268.8
2.015	155.5	0.9214	1.996	5.854	1.084	5.909	6.043	268.3
2.105	156.1	0.8789	2.676	6.520	1.407	9.313	9.754	264.0
2.114	156.2	0.8746	2.774	6.616	1.452	11.62	12.44	263.1
2.116	156.2	0.8737	2.805	6.646	1.467	7.255	7.438	263.6
2.125	156.2	0.8698	2.855	6.696	1.490	4.552	4.569	264.6
2.215	156.2	0.8349	3.126	6.967	1.615	2.387	2.409	267.7
2.400	155.7	0.7732	3.498	7.353	1.783	1.843	1.926	271.5
2.700	154.5	0.6922	4.031	7.913	2.004	1.753	1.922	272.7
3.000	153.0	0.6291	4.576	8.497	2.209	1.803	2.080	270.8
3.300	151.1	0.5794	5.204	9.175	2.424	2.008	2.438	266.8
3.600	148.8	0.5393	5.925	9.959	2.651	2.180	2.779	261.7
3.900	146.1	0.5069	6.734	10.84	2.886	2.298	3.098	256.0
4.200	143.1	0.4807	7.623	11.82	3.127	2.376	3.415	249.7
4.500	139.6	0.4598	8.594	12.89	3.374	2.430	3.757	242.7
4.800	135.7	0.4436	9.654	14.08	3.629	2.472	4.152	234.8
5.000	132.7	0.4352	10.42	14.94	3.805	2.496	4.464	228.9
5.100	131.2	0.4318	10.82	15.39	3.895	2.508	4.638	225.7
5.300	127.8	0.4266	11.66	16.36	4.081	2.532	5.040	219.0
5.500	124.0	0.4236	12.57	17.41	4.276	2.557	5.529	211.5
6.000	112.2	0.4292	15.25	20.60	4.829	2.631	7.386	190.1
6.500	95.65	0.4646	18.73	25.00	5.533	2.735	10.32	168.2
7.000	76.99	0.5360	22.78	30.57	6.357	2.854	11.37	157.5
8.000	52.91	0.6824	29.59	40.93	7.744	2.991	9.249	161.8
9.000	41.12	0.7805	34.76	49.35	8.738	3.048	7.757	173.4
10.00	34.24	0.8437	39.16	56.68	9.511	3.079	6.980	185.2
12.00	26.27	0.9163	46.97	69.81	10.71	3.113	6.253	206.4
15.00	19.91	0.9672	57.67	87.81	12.05	3.134	5.813	233.3
20.00	14.45	0.9993	74.52	116.0	13.68	3.142	5.526	270.5
25.00	11.44	1.010	90.85	143.3	14.89	3.141	5.401	302.1
30.00	9.491	1.014	106.9	170.1	15.87	3.138	5.335	330.3
40.00	7.109	1.016	138.7	223.1	17.40	3.133	5.269	379.8
50.00	5.693	1.015	170.2	275.6	18.57	3.129	5.239	423.2
60.00	4.751	1.013	201.6	327.9	19.52	3.126	5.223	462.4
80.00	3.572	1.011	264.3	432.2	21.02	3.123	5.207	532.0
100.0	2.863	1.009	326.7	536.3	22.18	3.121	5.201	593.5
120.0	2.389	1.007	389.2	640.3	23.13	3.120	5.197	649.1
140.0	2.050	1.006	451.5	744.2	23.93	3.119	5.196	700.4
160.0	1.795	1.005	513.9	848.1	24.63	3.119	5.194	748.1
180.0	1.597	1.005	576.3	952.0	25.24	3.118	5.194	793.0
200.0	1.438	1.004	638.6	1056.	25.79	3.118	5.193	835.5
220.0	1.308	1.004	700.9	1160.	26.28	3.118	5.193	875.9
240.0	1.199	1.004	763.3	1264.	26.73	3.117	5.193	914.5
260.0	1.107	1.003	825.6	1367.	27.15	3.117	5.193	951.6
280.0	1.029	1.003	887.9	1471.	27.53	3.117	5.193	987.3
300.0	0.9602	1.003	950.3	1575.	27.89	3.117	5.193	1022.
350.0	0.8234	1.002	1106.	1835.	28.69	3.117	5.193	1103.
400.0	0.7207	1.002	1262.	2094.	29.38	3.117	5.193	1179.
500.0	0.5768	1.002	1573.	2614.	30.54	3.116	5.193	1318.
600.0	0.4808	1.001	1885.	3133.	31.49	3.116	5.193	1443.
700.0	0.4122	1.001	2197.	3652.	32.29	3.116	5.193	1558.
800.0	0.3607	1.001	2508.	4171.	32.98	3.116	5.193	1666.
900.0	0.3207	1.001	2820.	4691.	33.60	3.116	5.193	1766.
1000.	0.2887	1.001	3131.	5210.	34.14	3.116	5.193	1862.
1100.	0.2624	1.001	3443.	5729.	34.64	3.116	5.193	1953.
1200.	0.2406	1.001	3755.	6249.	35.09	3.116	5.193	2039.
1300.	0.2221	1.001	4066.	6768.	35.50	3.116	5.193	2122.
1400.	0.2062	1.000	4378.	7287.	35.89	3.116	5.193	2202.
1500.	0.1925	1.000	4689.	7806.	36.25	3.116	5.193	2280.

PRESSURE = 0.600 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.3412E-04	-0.1678	0.4850E-01	0.6078E-01				
1.000	-0.6945E-03	-0.4940	0.4879E-01	0.6078E-01				
1.200	-0.2712E-02	-0.5032	0.4945E-01	0.6080E-01				
1.400	-0.7081E-02	-0.4589	0.5039E-01	0.6084E-01				
1.600	-0.1511E-01	-0.4139	0.5148E-01	0.6093E-01				
1.800	-0.2895E-01	-0.3785	0.5263E-01	0.6109E-01				
2.000	-0.5789E-01	-0.3650	0.5453E-01	0.6136E-01				
2.015	-0.6192E-01	-0.3661	0.5479E-01	0.6138E-01				
2.105	-0.1181	-0.4008	0.5778E-01	0.6161E-01				
2.114	-0.1648	-0.4333	0.5947E-01	0.6164E-01				
2.116	-0.7551E-01	-0.3334	0.5667E-01	0.6165E-01				
2.125	-0.2292E-01	-0.1653	0.5505E-01	0.6166E-01				
2.215	0.2634E-01	0.3537	0.5411E-01	0.6164E-01				
2.400	0.5329E-01	0.8498	0.5465E-01	0.6143E-01				
2.700	0.8203E-01	1.176	0.5724E-01	0.6098E-01				
3.000	0.1168	1.365	0.6200E-01	0.6038E-01				
3.300	0.1556	1.377	0.6775E-01	0.5959E-01				
3.600	0.2005	1.372	0.7510E-01	0.5866E-01	0.2029E-01	4.469	0.4906E-07	0.6123
3.900	0.2534	1.374	0.8450E-01	0.5759E-01	0.2104E-01	4.390	0.4648E-07	0.6465
4.200	0.3171	1.378	0.9667E-01	0.5637E-01	0.2164E-01	4.292	0.4429E-07	0.6773
4.500	0.3958	1.379	0.1128	0.5499E-01	0.2209E-01	4.178	0.4212E-07	0.7106
4.800	0.4958	1.372	0.1348	0.5344E-01	0.2239E-01	4.051	0.3975E-07	0.7512
5.000	0.5795	1.360	0.1543	0.5224E-01	0.2251E-01	3.958	0.3800E-07	0.7848
5.100	0.6281	1.353	0.1660	0.5161E-01	0.2255E-01	3.909	0.3706E-07	0.8042
5.300	0.7429	1.333	0.1950	0.5025E-01	0.2259E-01	3.807	0.3508E-07	0.8495
5.500	0.8889	1.308	0.2339	0.4874E-01	0.2257E-01	3.698	0.3293E-07	0.9058
6.000	1.489	1.214	0.4155	0.4404E-01	0.2224E-01	3.390	0.2685E-07	1.126
6.500	2.563	1.082	0.8359	0.3748E-01	0.2112E-01	3.034	0.2140E-07	1.482
7.000	3.094	0.9645	1.252	0.3010E-01	0.1956E-01	2.740	0.2247E-07	1.584
8.000	2.432	0.8604	1.339	0.2063E-01	0.1882E-01	2.544	0.3846E-07	1.250
9.000	1.894	0.8157	1.235	0.1601E-01	0.1917E-01	2.565	0.6011E-07	1.038
10.00	1.606	0.7888	1.159	0.1332E-01	0.1983E-01	2.648	0.8296E-07	0.9321
12.00	1.333	0.7565	1.077	0.1021E-01	0.2137E-01	2.865	0.1301E-06	0.8383
15.00	1.170	0.7304	1.027	0.7732E-02	0.2376E-01	3.215	0.2053E-06	0.7865
20.00	1.070	0.7087	0.9979	0.5608E-02	0.2759E-01	3.773	0.3455E-06	0.7555
25.00	1.032	0.6975	0.9885	0.4436E-02	0.3122E-01	4.285	0.5055E-06	0.7412
30.00	1.013	0.6907	0.9852	0.3681E-02	0.3468E-01	4.757	0.6850E-06	0.7316
40.00	0.9982	0.6831	0.9843	0.2756E-02	0.4121E-01	5.611	0.1100E-05	0.7174
50.00	0.9931	0.6789	0.9854	0.2207E-02	0.4733E-01	6.381	0.1587E-05	0.7062
60.00	0.9914	0.6764	0.9869	0.1842E-02	0.5314E-01	7.092	0.2142E-05	0.6970
80.00	0.9911	0.6734	0.9894	0.1385E-02	0.6403E-01	8.398	0.3442E-05	0.6830
100.0	0.9919	0.6718	0.9913	0.1110E-02	0.7418E-01	9.605	0.4981E-05	0.6734
120.0	0.9928	0.6707	0.9927	0.9260E-03	0.8378E-01	10.75	0.6746E-05	0.6669
140.0	0.9936	0.6700	0.9937	0.7945E-03	0.9293E-01	11.85	0.8723E-05	0.6627
160.0	0.9942	0.6695	0.9946	0.6957E-03	0.1017	12.93	0.1091E-04	0.6602
180.0	0.9948	0.6691	0.9952	0.6188E-03	0.1102	13.98	0.1328E-04	0.6588
200.0	0.9953	0.6688	0.9957	0.5572E-03	0.1184	15.04	0.1585E-04	0.6597
220.0	0.9957	0.6686	0.9961	0.5068E-03	0.1264	16.07	0.1860E-04	0.6603
240.0	0.9961	0.6684	0.9965	0.4647E-03	0.1341	17.07	0.2153E-04	0.6608
260.0	0.9964	0.6683	0.9968	0.4291E-03	0.1417	18.04	0.2464E-04	0.6613
280.0	0.9967	0.6681	0.9970	0.3985E-03	0.1491	19.00	0.2792E-04	0.6616
300.0	0.9969	0.6680	0.9973	0.3720E-03	0.1564	19.93	0.3136E-04	0.6620
350.0	0.9974	0.6678	0.9977	0.3190E-03	0.1739	22.19	0.4067E-04	0.6625
400.0	0.9977	0.6676	0.9980	0.2792E-03	0.1907	24.35	0.5097E-04	0.6629
500.0	0.9982	0.6674	0.9985	0.2235E-03	0.2227	28.45	0.7434E-04	0.6634
600.0	0.9986	0.6673	0.9988	0.1863E-03	0.2527	32.30	0.1012E-03	0.6637
700.0	0.9988	0.6672	0.9990	0.1597E-03	0.2814	35.97	0.1315E-03	0.6639
800.0	0.9990	0.6671	0.9991	0.1398E-03	0.3088	39.49	0.1649E-03	0.6640
900.0	0.9991	0.6670	0.9992	0.1242E-03	0.3353	42.87	0.2013E-03	0.6640
1000.	0.9992	0.6670	0.9993	0.1119E-03	0.3609	46.15	0.2408E-03	0.6640
1100.	0.9993	0.6670	0.9994	0.1017E-03	0.3858	49.33	0.2831E-03	0.6640
1200.	0.9994	0.6669	0.9994	0.9320E-04	0.4100	52.42	0.3282E-03	0.6640
1300.	0.9994	0.6669	0.9995	0.8604E-04	0.4336	55.44	0.3760E-03	0.6640
1400.	0.9995	0.6669	0.9995	0.7989E-04	0.4567	58.39	0.4264E-03	0.6640
1500.	0.9995	0.6669	0.9996	0.7457E-04	0.4793	61.28	0.4795E-03	0.6639

PRESSURE = 0.800 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	V_SOUND [m/s]
0.8000	156.4	3.077	0.1798	5.294	0.3644E-02	0.2350E-01	0.2350E-01	294.5
1.000	156.5	2.462	0.1933	5.306	0.1742E-01	0.1209	0.1211	293.8
1.200	156.5	2.050	0.2417	5.352	0.5861E-01	0.3711	0.3724	292.1
1.400	156.7	1.756	0.3674	5.473	0.1505	0.8809	0.8862	289.7
1.600	157.0	1.533	0.6360	5.733	0.3225	1.771	1.787	287.1
1.800	157.4	1.358	1.144	6.226	0.6112	3.219	3.266	284.5
1.992	158.2	1.222	2.014	7.072	1.056	5.717	5.890	279.9
2.082	158.8	1.165	2.684	7.723	1.375	8.965	9.543	275.3
2.091	158.9	1.159	2.781	7.816	1.420	11.11	12.16	274.4
2.093	158.9	1.158	2.811	7.845	1.433	6.892	7.124	275.1
2.102	158.9	1.153	2.858	7.893	1.456	4.338	4.365	276.2
2.192	158.9	1.106	3.117	8.151	1.577	2.274	2.291	279.8
2.200	158.9	1.102	3.135	8.169	1.585	2.224	2.244	280.0
2.400	158.4	1.013	3.509	8.561	1.756	1.740	1.821	284.5
2.700	157.4	0.9065	4.011	9.095	1.967	1.683	1.833	286.3
3.000	156.0	0.8228	4.522	9.650	2.162	1.739	1.987	285.1
3.300	154.3	0.7565	5.110	10.30	2.366	1.951	2.321	281.7
3.600	152.2	0.7028	5.785	11.04	2.582	2.128	2.641	277.3
3.900	149.9	0.6588	6.539	11.88	2.805	2.250	2.929	272.5
4.200	147.3	0.6227	7.364	12.80	3.032	2.331	3.202	267.5
4.500	144.3	0.5931	8.254	13.80	3.263	2.386	3.480	262.0
4.800	141.0	0.5689	9.214	14.89	3.497	2.428	3.781	255.9
5.000	138.6	0.5556	9.894	15.66	3.655	2.453	4.002	251.4
5.100	137.4	0.5497	10.25	16.07	3.736	2.464	4.121	249.1
5.300	134.7	0.5395	10.98	16.92	3.899	2.487	4.379	244.1
5.500	131.8	0.5312	11.76	17.82	4.067	2.509	4.669	238.7
6.000	123.6	0.5194	13.90	20.37	4.510	2.570	5.582	223.5
6.500	113.4	0.5225	16.41	23.47	5.004	2.639	6.883	206.5
7.000	101.0	0.5446	19.37	27.28	5.569	2.722	8.394	190.3
8.000	75.55	0.6372	25.87	36.46	6.793	2.891	9.324	176.7
9.000	58.37	0.7332	31.63	45.34	7.840	2.995	8.396	181.0
10.00	47.80	0.8057	36.56	53.29	8.679	3.050	7.558	189.9
12.00	35.85	0.8952	45.02	67.34	9.862	3.105	6.610	209.5
15.00	26.76	0.9595	56.24	86.14	11.36	3.137	6.013	236.1
20.00	19.25	1.000	73.52	115.1	13.03	3.149	5.630	273.3
25.00	15.19	1.014	90.10	142.8	14.27	3.148	5.466	304.9
30.00	12.59	1.019	106.3	169.9	15.26	3.145	5.379	333.0
40.00	9.429	1.021	138.3	223.2	16.79	3.138	5.293	382.3
50.00	7.554	1.020	170.0	275.9	17.97	3.133	5.254	425.5
60.00	6.307	1.018	201.5	328.3	18.92	3.130	5.232	464.6
80.00	4.746	1.014	264.2	432.7	20.42	3.125	5.212	533.9
100.0	3.807	1.012	326.7	536.9	21.59	3.123	5.203	595.2
120.0	3.178	1.010	389.2	640.9	22.53	3.121	5.199	650.7
140.0	2.728	1.008	451.6	744.8	23.33	3.120	5.196	701.8
160.0	2.390	1.007	514.0	848.7	24.03	3.119	5.195	749.4
180.0	2.126	1.006	576.3	952.6	24.64	3.119	5.194	794.2
200.0	1.915	1.006	638.7	1056.	25.19	3.118	5.193	836.6
220.0	1.742	1.005	701.0	1160.	25.68	3.118	5.193	876.9
240.0	1.597	1.005	763.3	1264.	26.13	3.118	5.193	915.5
260.0	1.475	1.004	825.7	1368.	26.55	3.118	5.193	952.5
280.0	1.370	1.004	888.0	1472.	26.94	3.117	5.193	988.2
300.0	1.279	1.004	950.3	1576.	27.29	3.117	5.192	1023.
350.0	1.097	1.003	1106.	1835.	28.09	3.117	5.192	1104.
400.0	0.9603	1.003	1262.	2095.	28.79	3.117	5.192	1180.
500.0	0.7687	1.002	1574.	2614.	29.95	3.117	5.192	1318.
600.0	0.6408	1.002	1885.	3134.	30.89	3.116	5.192	1443.
700.0	0.5494	1.001	2197.	3653.	31.69	3.116	5.193	1559.
800.0	0.4808	1.001	2508.	4172.	32.39	3.116	5.193	1666.
900.0	0.4275	1.001	2820.	4691.	33.00	3.116	5.193	1767.
1000.	0.3848	1.001	3131.	5211.	33.54	3.116	5.193	1862.
1100.	0.3498	1.001	3443.	5730.	34.04	3.116	5.193	1953.
1200.	0.3207	1.001	3755.	6249.	34.49	3.116	5.193	2040.
1300.	0.2961	1.001	4066.	6768.	34.91	3.116	5.193	2123.
1400.	0.2749	1.001	4378.	7288.	35.29	3.116	5.193	2203.
1500.	0.2566	1.001	4689.	7807.	35.65	3.116	5.193	2280.

PRESSURE = 0.800 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.1523E-03	-0.7022	0.5898E-01	0.6174E-01				
1.000	-0.1475E-02	-1.052	0.5933E-01	0.6175E-01				
1.200	-0.4305E-02	-0.8218	0.6013E-01	0.6178E-01				
1.400	-0.9358E-02	-0.6328	0.6121E-01	0.6185E-01				
1.600	-0.1777E-01	-0.5122	0.6239E-01	0.6196E-01				
1.800	-0.3266E-01	-0.4494	0.6373E-01	0.6214E-01				
1.992	-0.6726E-01	-0.4490	0.6652E-01	0.6244E-01				
2.082	-0.1300	-0.4958	0.7076E-01	0.6269E-01				
2.091	-0.1789	-0.5297	0.7319E-01	0.6273E-01				
2.093	-0.8136E-01	-0.4129	0.6877E-01	0.6274E-01				
2.102	-0.2761E-01	-0.2295	0.6640E-01	0.6275E-01				
2.192	0.2193E-01	0.3417	0.6481E-01	0.6273E-01				
2.200	0.2362E-01	0.3750	0.6479E-01	0.6273E-01				
2.400	0.4992E-01	0.9246	0.6529E-01	0.6252E-01				
2.700	0.7353E-01	1.217	0.6760E-01	0.6211E-01				
3.000	0.1023	1.395	0.7208E-01	0.6158E-01				
3.300	0.1353	1.401	0.7776E-01	0.6087E-01				
3.600	0.1726	1.396	0.8483E-01	0.6005E-01	0.2093E-01	4.802	0.5205E-07	0.6060
3.900	0.2154	1.401	0.9354E-01	0.5911E-01	0.2177E-01	4.715	0.4958E-07	0.6345
4.200	0.2650	1.410	0.1043	0.5806E-01	0.2247E-01	4.614	0.4765E-07	0.6576
4.500	0.3233	1.417	0.1178	0.5687E-01	0.2302E-01	4.503	0.4585E-07	0.6805
4.800	0.3929	1.417	0.1349	0.5556E-01	0.2344E-01	4.383	0.4397E-07	0.7067
5.000	0.4472	1.413	0.1490	0.5460E-01	0.2365E-01	4.298	0.4263E-07	0.7273
5.100	0.4773	1.409	0.1570	0.5409E-01	0.2373E-01	4.255	0.4192E-07	0.7388
5.300	0.5445	1.398	0.1756	0.5303E-01	0.2385E-01	4.165	0.4044E-07	0.7646
5.500	0.6228	1.382	0.1982	0.5188E-01	0.2392E-01	4.073	0.3887E-07	0.7948
6.000	0.8867	1.322	0.2816	0.4858E-01	0.2388E-01	3.828	0.3461E-07	0.8949
6.500	1.294	1.237	0.4304	0.4453E-01	0.2345E-01	3.565	0.3013E-07	1.043
7.000	1.838	1.134	0.6739	0.3961E-01	0.2262E-01	3.299	0.2668E-07	1.224
8.000	2.306	0.9650	1.094	0.2953E-01	0.2123E-01	2.926	0.3013E-07	1.285
9.000	2.040	0.8841	1.174	0.2277E-01	0.2101E-01	2.818	0.4288E-07	1.126
10.00	1.759	0.8398	1.150	0.1862E-01	0.2134E-01	2.834	0.5908E-07	1.004
12.00	1.428	0.7904	1.082	0.1395E-01	0.2255E-01	2.990	0.9513E-07	0.8768
15.00	1.218	0.7528	1.028	0.1040E-01	0.2468E-01	3.302	0.1534E-06	0.8045
20.00	1.090	0.7229	0.9945	0.7474E-02	0.2830E-01	3.835	0.2612E-06	0.7629
25.00	1.040	0.7078	0.9836	0.5894E-02	0.3180E-01	4.335	0.3831E-06	0.7451
30.00	1.017	0.6987	0.9798	0.4886E-02	0.3518E-01	4.801	0.5194E-06	0.7341
40.00	0.9973	0.6885	0.9790	0.3657E-02	0.4160E-01	5.648	0.8335E-06	0.7187
50.00	0.9908	0.6830	0.9806	0.2929E-02	0.4766E-01	6.414	0.1201E-05	0.7071
60.00	0.9886	0.6796	0.9826	0.2445E-02	0.5342E-01	7.123	0.1619E-05	0.6976
80.00	0.9882	0.6756	0.9860	0.1840E-02	0.6426E-01	8.425	0.2598E-05	0.6834
100.0	0.9892	0.6735	0.9884	0.1475E-02	0.7439E-01	9.630	0.3755E-05	0.6736
120.0	0.9904	0.6721	0.9903	0.1232E-02	0.8396E-01	10.77	0.5082E-05	0.6670
140.0	0.9914	0.6712	0.9917	0.1057E-02	0.9310E-01	11.87	0.6568E-05	0.6627
160.0	0.9923	0.6705	0.9927	0.9260E-03	0.1019	12.95	0.8207E-05	0.6601
180.0	0.9931	0.6700	0.9936	0.8238E-03	0.1103	13.99	0.9993E-05	0.6587
200.0	0.9938	0.6696	0.9943	0.7419E-03	0.1185	15.05	0.1192E-04	0.6594
220.0	0.9943	0.6693	0.9948	0.6748E-03	0.1265	16.08	0.1399E-04	0.6600
240.0	0.9948	0.6690	0.9953	0.6189E-03	0.1343	17.08	0.1619E-04	0.6605
260.0	0.9952	0.6688	0.9957	0.5715E-03	0.1418	18.05	0.1852E-04	0.6609
280.0	0.9956	0.6686	0.9961	0.5309E-03	0.1492	19.01	0.2098E-04	0.6612
300.0	0.9959	0.6685	0.9964	0.4956E-03	0.1565	19.94	0.2356E-04	0.6615
350.0	0.9965	0.6682	0.9969	0.4250E-03	0.1740	22.19	0.3056E-04	0.6620
400.0	0.9970	0.6680	0.9974	0.3721E-03	0.1909	24.35	0.3828E-04	0.6624
500.0	0.9976	0.6677	0.9980	0.2978E-03	0.2228	28.44	0.5582E-04	0.6628
600.0	0.9981	0.6675	0.9984	0.2483E-03	0.2529	32.29	0.7599E-04	0.6631
700.0	0.9984	0.6673	0.9986	0.2129E-03	0.2815	35.95	0.9867E-04	0.6632
800.0	0.9986	0.6672	0.9988	0.1863E-03	0.3090	39.46	0.1237E-03	0.6632
900.0	0.9988	0.6672	0.9989	0.1656E-03	0.3354	42.85	0.1511E-03	0.6633
1000.	0.9989	0.6671	0.9991	0.1491E-03	0.3610	46.12	0.1807E-03	0.6633
1100.	0.9991	0.6671	0.9992	0.1355E-03	0.3859	49.29	0.2124E-03	0.6633
1200.	0.9991	0.6670	0.9993	0.1242E-03	0.4101	52.38	0.2462E-03	0.6633
1300.	0.9992	0.6670	0.9993	0.1147E-03	0.4337	55.40	0.2821E-03	0.6633
1400.	0.9993	0.6670	0.9994	0.1055E-03	0.4568	58.34	0.3200E-03	0.6632
1500.	0.9993	0.6670	0.9994	0.9941E-04	0.4794	61.23	0.3598E-03	0.6632

PRESSURE = 1.000 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	VSOUND [m/s]
0.8000	158.7	3.793	0.2610	6.563	0.3977E-02	0.2949E-01	0.2950E-01	303.6
1.000	158.7	3.033	0.2770	6.578	0.1972E-01	0.1329	0.1333	303.2
1.200	158.8	2.526	0.3303	6.627	0.6385E-01	0.3908	0.3931	302.0
1.400	159.0	2.163	0.4638	6.753	0.1598	0.9112	0.9190	300.3
1.600	159.3	1.888	0.7446	7.021	0.3375	1.820	1.842	298.3
1.800	159.8	1.673	1.274	7.530	0.6355	3.320	3.384	295.3
1. 1.968	160.6	1.524	2.045	8.273	1.028	5.544	5.759	290.4
2. 2.058	161.3	1.451	2.710	8.911	1.345	8.658	9.372	285.5
3. 2.067	161.4	1.443	2.806	9.003	1.390	10.67	11.95	284.7
3. 2.069	161.4	1.442	2.833	9.029	1.402	6.542	6.818	285.5
2. 2.078	161.4	1.435	2.879	9.074	1.424	4.132	4.170	286.7
1. 2.168	161.4	1.376	3.125	9.321	1.540	2.168	2.181	290.7
2. 2.200	161.4	1.356	3.191	9.388	1.571	2.003	2.026	291.7
2. 2.400	160.8	1.247	3.536	9.753	1.730	1.652	1.730	296.2
2. 2.700	159.9	1.115	4.013	10.27	1.934	1.622	1.757	298.5
3. 3.000	158.7	1.011	4.496	10.80	2.121	1.683	1.900	298.0
3. 3.300	157.1	0.9285	5.051	11.42	2.317	1.901	2.225	294.9
3. 3.600	155.3	0.8612	5.690	12.13	2.524	2.082	2.530	291.0
3. 3.900	153.2	0.8059	6.402	12.93	2.737	2.207	2.798	286.9
4. 4.200	150.8	0.7600	7.177	13.81	2.954	2.290	3.045	282.7
4. 4.500	148.2	0.7217	8.010	14.76	3.172	2.348	3.287	278.2
4. 4.800	145.4	0.6900	8.901	15.78	3.392	2.391	3.539	273.3
5. 5.000	143.3	0.6719	9.527	16.51	3.540	2.416	3.718	269.7
5. 5.100	142.2	0.6638	9.851	16.88	3.615	2.428	3.812	267.8
5. 5.300	140.0	0.6490	10.52	17.66	3.765	2.451	4.011	263.9
5. 5.500	137.6	0.6363	11.22	18.49	3.917	2.473	4.225	259.6
6. 6.000	130.9	0.6130	13.11	20.75	4.311	2.531	4.849	247.8
6. 6.500	123.1	0.6015	15.24	23.36	4.729	2.592	5.633	234.4
7. 7.000	114.1	0.6027	17.65	26.41	5.180	2.659	6.584	220.4
8. 8.000	93.31	0.6449	23.21	33.93	6.181	2.806	8.248	198.8
9. 9.000	74.62	0.7168	28.93	42.33	7.170	2.932	8.341	193.9
10. 10.000	61.35	0.7847	34.12	50.42	8.024	3.013	7.819	198.3
12. 12.000	45.58	0.8802	43.12	65.06	9.361	3.094	6.898	214.3
15. 15.000	33.64	0.9540	54.84	84.56	10.81	3.138	6.196	239.6
20. 20.000	24.02	1.002	72.55	114.2	12.52	3.156	5.728	276.4
25. 25.000	18.90	1.019	89.36	142.3	13.78	3.156	5.528	307.8
30. 30.000	15.66	1.025	105.8	169.6	14.77	3.152	5.422	335.8
40. 40.000	11.72	1.027	137.9	223.2	16.32	3.143	5.317	384.9
50. 50.000	9.397	1.025	169.7	276.1	17.50	3.137	5.268	427.9
60. 60.000	7.850	1.022	201.3	328.7	18.45	3.133	5.242	466.8
80. 80.000	5.912	1.018	264.1	433.2	19.96	3.128	5.217	535.8
100. 100.000	4.745	1.015	326.7	537.4	21.12	3.125	5.206	586.9
120. 120.000	3.963	1.012	389.2	641.5	22.07	3.123	5.200	652.2
140. 140.000	3.403	1.010	451.6	745.4	22.87	3.121	5.197	703.2
160. 160.000	2.982	1.009	514.0	849.4	23.57	3.120	5.195	750.7
180. 180.000	2.653	1.008	576.4	953.3	24.18	3.120	5.194	795.4
200. 200.000	2.390	1.007	638.7	1057.	24.72	3.119	5.194	837.7
220. 220.000	2.174	1.006	701.1	1161.	25.22	3.119	5.193	878.0
240. 240.000	1.994	1.006	763.4	1265.	25.67	3.118	5.193	916.5
260. 260.000	1.842	1.005	825.7	1369.	26.09	3.118	5.193	953.5
280. 280.000	1.711	1.005	888.1	1473.	26.47	3.118	5.192	989.1
300. 300.000	1.597	1.005	950.4	1576.	26.83	3.118	5.192	1023.
350. 350.000	1.370	1.004	1106.	1836.	27.63	3.117	5.192	1105.
400. 400.000	1.200	1.003	1262.	2096.	28.32	3.117	5.192	1180.
500. 500.000	0.9604	1.003	1574.	2615.	29.48	3.117	5.192	1319.
600. 600.000	0.8007	1.002	1885.	3134.	30.43	3.116	5.192	1444.
700. 700.000	0.6866	1.002	2197.	3653.	31.23	3.116	5.192	1559.
800. 800.000	0.6009	1.001	2508.	4173.	31.92	3.116	5.192	1666.
900. 900.000	0.5342	1.001	2820.	4692.	32.53	3.116	5.193	1767.
1000. 1000.000	0.4809	1.001	3132.	5211.	33.08	3.116	5.193	1863.
1100. 1100.000	0.4372	1.001	3443.	5730.	33.58	3.116	5.193	1953.
1200. 1200.000	0.4008	1.001	3755.	6250.	34.03	3.116	5.193	2040.
1300. 1300.000	0.3700	1.001	4066.	6769.	34.44	3.116	5.193	2123.
1400. 1400.000	0.3436	1.001	4378.	7288.	34.83	3.116	5.193	2203.
1500. 1500.000	0.3207	1.001	4689.	7807.	35.19	3.116	5.193	2280.

PRESSURE = 1.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.2685E-03	-1.049	0.6838E-01	0.6264E-01				
1.000	-0.2119E-02	-1.461	0.6874E-01	0.6266E-01				
1.200	-0.5538E-02	-1.071	0.6943E-01	0.6270E-01				
1.400	-0.1105E-01	-0.7747	0.7032E-01	0.6278E-01				
1.600	-0.1992E-01	-0.6013	0.7138E-01	0.6291E-01				
1.800	-0.3682E-01	-0.5272	0.7312E-01	0.6311E-01				
1.968	-0.7222E-01	-0.5374	0.7672E-01	0.6340E-01				
2.058	-0.1397	-0.5905	0.8233E-01	0.6368E-01				
2.067	-0.1907	-0.6259	0.8560E-01	0.6373E-01				
2.069	-0.8548E-01	-0.4938	0.7925E-01	0.6374E-01				
2.078	-0.3104E-01	-0.2945	0.7605E-01	0.6375E-01				
2.168	0.1842E-01	0.3292	0.7377E-01	0.6374E-01				
2.200	0.2450E-01	0.4677	0.7366E-01	0.6372E-01				
2.400	0.4717E-01	0.9970	0.7418E-01	0.6352E-01				
2.700	0.6671E-01	1.253	0.7607E-01	0.6314E-01				
3.000	0.9114E-01	1.419	0.8016E-01	0.6265E-01				
3.300	0.1200	1.421	0.8569E-01	0.6201E-01				
3.600	0.1522	1.415	0.9243E-01	0.6127E-01	0.2151E-01	5.127	0.5475E-07	0.6032
3.900	0.1885	1.422	0.1006	0.6043E-01	0.2242E-01	5.028	0.5231E-07	0.6275
4.200	0.2296	1.435	0.1103	0.5949E-01	0.2320E-01	4.921	0.5052E-07	0.6457
4.500	0.2766	1.447	0.1221	0.5844E-01	0.2385E-01	4.806	0.4895E-07	0.6625
4.800	0.3305	1.453	0.1364	0.5729E-01	0.2436E-01	4.686	0.4735E-07	0.6808
5.000	0.3712	1.452	0.1477	0.5647E-01	0.2463E-01	4.604	0.4623E-07	0.6950
5.100	0.3931	1.451	0.1539	0.5603E-01	0.2475E-01	4.562	0.4564E-07	0.7028
5.300	0.4408	1.444	0.1679	0.5513E-01	0.2494E-01	4.477	0.4443E-07	0.7200
5.500	0.4941	1.434	0.1842	0.5417E-01	0.2507E-01	4.390	0.4315E-07	0.7398
6.000	0.6589	1.391	0.2384	0.5150E-01	0.2521E-01	4.169	0.3973E-07	0.8018
6.500	0.8840	1.327	0.3212	0.4840E-01	0.2507E-01	3.942	0.3614E-07	0.8857
7.000	1.183	1.247	0.4466	0.4481E-01	0.2464E-01	3.714	0.3280E-07	0.9924
8.000	1.799	1.078	0.7968	0.3655E-01	0.2346E-01	3.316	0.3048E-07	1.166
9.000	1.919	0.9612	1.014	0.2916E-01	0.2286E-01	3.103	0.3673E-07	1.132
10.00	1.781	0.8955	1.076	0.2394E-01	0.2289E-01	3.046	0.4771E-07	1.040
12.00	1.489	0.8260	1.065	0.1775E-01	0.2375E-01	3.127	0.7553E-07	0.9084
15.00	1.256	0.7758	1.022	0.1309E-01	0.2563E-01	3.395	0.1230E-06	0.8206
20.00	1.106	0.7372	0.9893	0.9332E-02	0.2904E-01	3.899	0.2111E-06	0.7692
25.00	1.047	0.7181	0.9780	0.7339E-02	0.3242E-01	4.387	0.3102E-06	0.7482
30.00	1.019	0.7067	0.9742	0.6078E-02	0.3571E-01	4.846	0.4205E-06	0.7359
40.00	0.9961	0.6940	0.9737	0.4548E-02	0.4201E-01	5.686	0.6740E-06	0.7195
50.00	0.9883	0.6871	0.9759	0.3644E-02	0.4800E-01	6.448	0.9697E-06	0.7076
60.00	0.9857	0.6828	0.9783	0.3044E-02	0.5372E-01	7.154	0.1306E-05	0.6980
80.00	0.9853	0.6779	0.9825	0.2292E-02	0.6450E-01	8.453	0.2091E-05	0.6836
100.0	0.9865	0.6752	0.9856	0.1839E-02	0.7460E-01	9.655	0.3020E-05	0.6737
120.0	0.9880	0.6734	0.9879	0.1536E-02	0.8416E-01	10.79	0.4083E-05	0.6670
140.0	0.9893	0.6723	0.9886	0.1319E-02	0.9329E-01	11.89	0.5275E-05	0.6626
160.0	0.9904	0.6714	0.9910	0.1156E-02	0.1021	12.96	0.6588E-05	0.6600
180.0	0.9914	0.6708	0.9920	0.1028E-02	0.1105	14.01	0.8019E-05	0.6585
200.0	0.9922	0.6703	0.9929	0.9261E-03	0.1187	15.07	0.9564E-05	0.6592
220.0	0.9929	0.6699	0.9936	0.8425E-03	0.1267	16.09	0.1122E-04	0.6598
240.0	0.9935	0.6696	0.9942	0.7727E-03	0.1344	17.09	0.1298E-04	0.6602
260.0	0.9940	0.6693	0.9947	0.7136E-03	0.1420	18.06	0.1485E-04	0.6606
280.0	0.9944	0.6691	0.9951	0.6629E-03	0.1494	19.01	0.1682E-04	0.6609
300.0	0.9948	0.6689	0.9954	0.6190E-03	0.1566	19.94	0.1889E-04	0.6611
350.0	0.9956	0.6685	0.9952	0.5309E-03	0.1742	22.19	0.2448E-04	0.6615
400.0	0.9962	0.6683	0.9957	0.4648E-03	0.1910	24.35	0.3067E-04	0.6619
500.0	0.9971	0.6679	0.9975	0.3721E-03	0.2229	28.43	0.4470E-04	0.6622
600.0	0.9976	0.6677	0.9979	0.3102E-03	0.2530	32.28	0.6085E-04	0.6624
700.0	0.9980	0.6675	0.9983	0.2660E-03	0.2816	35.93	0.7900E-04	0.6625
800.0	0.9983	0.6674	0.9985	0.2328E-03	0.3091	39.44	0.9906E-04	0.6625
900.0	0.9985	0.6673	0.9987	0.2070E-03	0.3355	42.82	0.1210E-03	0.6626
1000.	0.9987	0.6672	0.9989	0.1863E-03	0.3611	46.08	0.1446E-03	0.6626
1100.	0.9988	0.6672	0.9990	0.1694E-03	0.3860	49.25	0.1700E-03	0.6626
1200.	0.9989	0.6671	0.9991	0.1553E-03	0.4102	52.34	0.1971E-03	0.6626
1300.	0.9990	0.6671	0.9992	0.1434E-03	0.4338	55.35	0.2258E-03	0.6625
1400.	0.9991	0.6671	0.9992	0.1331E-03	0.4569	58.29	0.2561E-03	0.6625
1500.	0.9992	0.6670	0.9993	0.1243E-03	0.4795	61.17	0.2879E-03	0.6625

PRESSURE = 1.200 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	VSOUND [m/s]
0.8000	160.8	4.481	0.3525	7.816	0.4497E-02	0.3748E-01	0.3750E-01	311.5
1.000	160.8	3.592	0.3713	7.833	0.2267E-01	0.1469	0.1475	311.4
1.200	161.0	2.991	0.4298	7.885	0.7004E-01	0.4120	0.4151	311.0
1.400	161.2	2.560	0.5712	8.017	0.1701	0.9426	0.9525	310.3
1.600	161.5	2.235	0.8645	8.294	0.3537	1.874	1.902	308.8
1.800	162.1	1.980	1.419	8.821	0.6626	3.440	3.529	305.3
1. 1.942	162.8	1.827	2.087	9.458	1.002	5.375	5.638	300.2
2. 2.032	163.6	1.738	2.748	10.08	1.317	8.359	9.206	295.1
3. 2.041	163.7	1.729	2.843	10.17	1.361	10.25	11.73	294.2
3. 2.043	163.7	1.727	2.867	10.20	1.372	6.222	6.543	295.1
2. 2.052	163.7	1.719	2.912	10.24	1.393	3.938	3.986	296.4
1. 2.142	163.7	1.647	3.148	10.48	1.506	2.069	2.079	300.8
2. 2.200	163.7	1.605	3.256	10.59	1.557	1.827	1.853	302.7
2. 2.400	163.1	1.475	3.576	10.93	1.707	1.577	1.652	307.1
2. 2.700	162.2	1.319	4.033	11.43	1.904	1.567	1.690	309.7
3. 3.000	161.1	1.195	4.493	11.94	2.085	1.632	1.826	309.7
3. 3.300	159.7	1.096	5.020	12.54	2.273	1.855	2.143	306.8
3. 3.600	158.0	1.016	5.628	13.22	2.473	2.039	2.438	303.4
3. 3.900	156.1	0.9490	6.306	13.99	2.678	2.167	2.692	299.8
4. 4.200	154.0	0.8934	7.042	14.84	2.886	2.253	2.921	296.2
4. 4.500	151.6	0.8468	7.830	15.74	3.095	2.312	3.140	292.4
4. 4.800	149.0	0.8075	8.669	16.72	3.305	2.357	3.363	288.3
5. 5.000	147.2	0.7849	9.256	17.41	3.445	2.383	3.518	285.3
5. 5.100	146.2	0.7745	9.559	17.76	3.516	2.396	3.598	283.8
5. 5.300	144.3	0.7556	10.18	18.50	3.657	2.419	3.764	280.5
5. 5.500	142.2	0.7389	10.83	19.27	3.800	2.442	3.940	277.1
6. 6.000	136.4	0.7057	12.56	21.36	4.163	2.500	4.431	267.3
6. 6.500	129.9	0.6839	14.48	23.72	4.540	2.560	5.008	256.3
7. 7.000	122.7	0.6729	16.60	26.38	4.935	2.622	5.679	244.5
8. 8.000	105.8	0.6825	21.45	32.79	5.789	2.753	7.115	222.4
9. 9.000	88.36	0.7265	26.79	40.37	6.680	2.877	7.854	210.6
10. 10.00	73.94	0.7813	31.99	48.22	7.507	2.973	7.766	209.6
12. 12.00	55.18	0.8725	41.32	63.07	8.863	3.079	7.078	220.7
15. 15.00	40.50	0.9510	53.47	83.10	10.36	3.138	6.354	243.8
20. 20.00	28.75	1.005	71.59	113.3	12.10	3.162	5.820	279.7
25. 25.00	22.58	1.023	88.63	141.8	13.37	3.162	5.588	310.9
30. 30.00	18.69	1.030	105.2	169.4	14.38	3.158	5.463	338.7
40. 40.00	14.00	1.032	137.6	223.3	15.93	3.149	5.339	387.5
50. 50.00	11.22	1.030	169.4	276.4	17.11	3.142	5.282	430.3
60. 60.00	9.379	1.027	201.1	329.0	18.07	3.136	5.251	469.0
80. 80.00	7.070	1.021	264.0	433.7	19.58	3.130	5.221	537.8
100. 100.0	5.677	1.018	326.6	538.0	20.74	3.126	5.208	598.6
120. 120.0	4.744	1.015	389.1	642.1	21.69	3.124	5.202	653.7
140. 140.0	4.075	1.013	451.6	746.1	22.49	3.122	5.198	704.6
160. 160.0	3.571	1.011	514.0	850.0	23.19	3.121	5.196	752.0
180. 180.0	3.179	1.010	576.4	953.9	23.80	3.120	5.195	796.6
200. 200.0	2.864	1.009	638.8	1058.	24.35	3.120	5.194	838.8
220. 220.0	2.606	1.008	701.1	1162.	24.84	3.119	5.193	879.0
240. 240.0	2.390	1.007	763.5	1266.	25.29	3.119	5.193	917.5
260. 260.0	2.208	1.006	825.8	1369.	25.71	3.119	5.192	954.4
280. 280.0	2.051	1.006	888.2	1473.	26.09	3.118	5.192	990.0
300. 300.0	1.915	1.005	950.5	1577.	26.45	3.118	5.192	1024.
350. 350.0	1.643	1.005	1106.	1837.	27.25	3.118	5.192	1105.
400. 400.0	1.439	1.004	1262.	2096.	27.95	3.117	5.192	1181.
500. 500.0	1.152	1.003	1574.	2615.	29.10	3.117	5.192	1319.
600. 600.0	0.9605	1.002	1885.	3135.	30.05	3.117	5.192	1445.
700. 700.0	0.8236	1.002	2197.	3654.	30.85	3.116	5.192	1560.
800. 800.0	0.7208	1.002	2508.	4173.	31.54	3.116	5.192	1667.
900. 900.0	0.6409	1.002	2820.	4692.	32.16	3.116	5.192	1768.
1000. 1000.	0.5769	1.001	3132.	5212.	32.70	3.116	5.193	1863.
1100. 1100.	0.5245	1.001	3443.	5731.	33.20	3.116	5.193	1954.
1200. 1200.	0.4809	1.001	3755.	6250.	33.65	3.116	5.193	2040.
1300. 1300.	0.4439	1.001	4066.	6769.	34.07	3.116	5.193	2123.
1400. 1400.	0.4123	1.001	4378.	7289.	34.45	3.116	5.193	2203.
1500. 1500.	0.3848	1.001	4689.	7808.	34.81	3.116	5.193	2281.

PRESSURE = 1.200 [MPa]

TEMP [K]	$\left(\frac{\partial V}{\partial T}\right)_P$	$\left(\frac{\partial V}{\partial P}\right)_T$	$\left(\frac{\partial P}{\partial T}\right)_V$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.3988E-03	-1.291	0.7695E-01	0.6349E-01				
1.000	-0.2546E-02	-1.674	0.7725E-01	0.6351E-01				
1.200	-0.6246E-02	-1.212	0.7766E-01	0.6356E-01				
1.400	-0.1206E-01	-0.8706	0.7816E-01	0.6365E-01				
1.600	-0.2179E-01	-0.6829	0.7907E-01	0.6379E-01				
1.800	-0.4205E-01	-0.6171	0.8147E-01	0.6402E-01				
1.942	-0.7699E-01	-0.6337	0.8575E-01	0.6430E-01				
2.032	-0.1476	-0.6866	0.9281E-01	0.6461E-01				
2.041	-0.2003	-0.7237	0.9700E-01	0.6466E-01				
2.043	-0.8894E-01	-0.5791	0.8853E-01	0.6467E-01				
2.052	-0.3375E-01	-0.3624	0.8443E-01	0.6468E-01				
2.142	0.1552E-01	0.3151	0.8141E-01	0.6468E-01				
2.200	0.2515E-01	0.5654	0.8117E-01	0.6465E-01				
2.400	0.4477E-01	1.065	0.8174E-01	0.6444E-01				
2.700	0.6104E-01	1.283	0.8315E-01	0.6408E-01				
3.000	0.8226E-01	1.440	0.8687E-01	0.6363E-01				
3.300	0.1078	1.437	0.9221E-01	0.6305E-01				
3.600	0.1364	1.431	0.9864E-01	0.6237E-01	0.2205E-01	5.448	0.5724E-07	0.6024
3.900	0.1682	1.440	0.1062	0.6160E-01	0.2303E-01	5.335	0.5480E-07	0.6237
4.200	0.2037	1.456	0.1152	0.6075E-01	0.2388E-01	5.217	0.5310E-07	0.6382
4.500	0.2433	1.472	0.1257	0.5980E-01	0.2459E-01	5.096	0.5166E-07	0.6507
4.800	0.2878	1.482	0.1382	0.5877E-01	0.2518E-01	4.973	0.5024E-07	0.6641
5.000	0.3207	1.484	0.1478	0.5803E-01	0.2551E-01	4.890	0.4926E-07	0.6744
5.100	0.3381	1.484	0.1530	0.5765E-01	0.2565E-01	4.848	0.4875E-07	0.6800
5.300	0.3754	1.481	0.1645	0.5685E-01	0.2589E-01	4.763	0.4769E-07	0.6924
5.500	0.4161	1.474	0.1774	0.5601E-01	0.2609E-01	4.679	0.4658E-07	0.7066
6.000	0.5359	1.441	0.2181	0.5372E-01	0.2638E-01	4.466	0.4364E-07	0.7502
6.500	0.6882	1.386	0.2749	0.5113E-01	0.2640E-01	4.254	0.4057E-07	0.8067
7.000	0.8804	1.324	0.3544	0.4821E-01	0.2620E-01	4.045	0.3761E-07	0.8768
8.000	1.350	1.173	0.5927	0.4151E-01	0.2536E-01	3.663	0.3369E-07	1.028
9.000	1.661	1.042	0.8363	0.3459E-01	0.2463E-01	3.396	0.3549E-07	1.083
10.00	1.688	0.9546	0.9651	0.2890E-01	0.2441E-01	3.272	0.4250E-07	1.041
12.00	1.505	0.8631	1.026	0.2152E-01	0.2494E-01	3.274	0.6386E-07	0.9292
15.00	1.282	0.7993	1.010	0.1576E-01	0.2659E-01	3.492	0.1033E-06	0.8345
20.00	1.119	0.7516	0.9824	0.1118E-01	0.2979E-01	3.965	0.1780E-06	0.7747
25.00	1.053	0.7284	0.9718	0.8771E-02	0.3304E-01	4.440	0.2619E-06	0.7507
30.00	1.021	0.7147	0.9682	0.7258E-02	0.3625E-01	4.891	0.3550E-06	0.7372
40.00	0.9948	0.6994	0.9684	0.5431E-02	0.4245E-01	5.724	0.5680E-06	0.7200
50.00	0.9859	0.6911	0.9711	0.4353E-02	0.4837E-01	6.482	0.8159E-06	0.7079
60.00	0.9828	0.6860	0.9741	0.3637E-02	0.5404E-01	7.185	0.1097E-05	0.6982
80.00	0.9824	0.6801	0.9791	0.2741E-02	0.6476E-01	8.481	0.1754E-05	0.6838
100.0	0.9839	0.6769	0.9828	0.2201E-02	0.7482E-01	9.680	0.2530E-05	0.6738
120.0	0.9856	0.6748	0.9855	0.1839E-02	0.8436E-01	10.82	0.3418E-05	0.6670
140.0	0.9872	0.6734	0.9876	0.1579E-02	0.9347E-01	11.91	0.4413E-05	0.6626
160.0	0.9886	0.6724	0.9892	0.1384E-02	0.1022	12.98	0.5509E-05	0.6599
180.0	0.9897	0.6716	0.9904	0.1232E-02	0.1107	14.03	0.6703E-05	0.6583
200.0	0.9907	0.6710	0.9915	0.1110E-02	0.1189	15.08	0.7992E-05	0.6590
220.0	0.9915	0.6705	0.9923	0.1010E-02	0.1268	16.11	0.9372E-05	0.6595
240.0	0.9922	0.6702	0.9930	0.9262E-03	0.1346	17.10	0.1084E-04	0.6599
260.0	0.9928	0.6699	0.9936	0.8555E-03	0.1421	18.07	0.1240E-04	0.6602
280.0	0.9933	0.6696	0.9941	0.7948E-03	0.1495	19.02	0.1404E-04	0.6605
300.0	0.9938	0.6694	0.9945	0.7421E-03	0.1568	19.95	0.1577E-04	0.6607
350.0	0.9948	0.6689	0.9954	0.6366E-03	0.1743	22.20	0.2044E-04	0.6611
400.0	0.9955	0.6686	0.9961	0.5574E-03	0.1911	24.35	0.2559E-04	0.6613
500.0	0.9965	0.6682	0.9970	0.4463E-03	0.2231	28.42	0.3730E-04	0.6616
600.0	0.9971	0.6679	0.9975	0.3721E-03	0.2531	32.26	0.5076E-04	0.6617
700.0	0.9976	0.6677	0.9979	0.3191E-03	0.2818	35.91	0.6589E-04	0.6618
800.0	0.9979	0.6675	0.9982	0.2793E-03	0.3092	39.41	0.8261E-04	0.6619
900.0	0.9982	0.6674	0.9985	0.2483E-03	0.3357	42.79	0.1009E-03	0.6619
1000.	0.9984	0.6673	0.9986	0.2235E-03	0.3613	46.05	0.1206E-03	0.6619
1100.	0.9986	0.6673	0.9988	0.2032E-03	0.3861	49.21	0.1418E-03	0.6619
1200.	0.9987	0.6672	0.9989	0.1863E-03	0.4103	52.30	0.1643E-03	0.6618
1300.	0.9988	0.6672	0.9990	0.1720E-03	0.4339	55.30	0.1882E-03	0.6618
1400.	0.9989	0.6671	0.9991	0.1597E-03	0.4570	58.24	0.2135E-03	0.6618
1500.	0.9990	0.6671	0.9991	0.1491E-03	0.4796	61.12	0.2400E-03	0.6618

PRESSURE = 1.400 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C _V [J/g*K]	C _P [J/g*K]	VSOUND [m/s]
0.8000	162.8	5.175	0.4530	9.053	0.5218E-02	0.4636E-01	0.4640E-01	318.7
1.000	162.9	4.139	0.4749	9.072	0.2596E-01	0.1613	0.1621	318.9
1.200	163.0	3.446	0.5382	9.128	0.7661E-01	0.4337	0.4372	319.2
1.400	163.2	2.950	0.6871	9.265	0.1810	0.9768	0.9881	319.4
1.600	163.6	2.575	0.9940	9.552	0.3712	1.937	1.972	318.5
1.800	164.2	2.280	1.579	10.10	0.6934	3.586	3.711	314.4
1. 1.916	164.9	2.133	2.138	10.63	0.9761	5.206	5.519	309.6
2. 2.006	165.7	2.027	2.795	11.24	1.289	8.050	9.027	304.1
3. 2.015	165.8	2.017	2.890	11.33	1.333	9.798	11.48	303.1
3. 2.017	165.9	2.014	2.912	11.35	1.343	5.938	6.306	304.0
2. 2.026	165.9	2.005	2.956	11.39	1.364	3.755	3.814	305.5
1. 2.116	165.9	1.919	3.181	11.62	1.472	1.976	1.984	310.2
2. 2.200	165.8	1.848	3.328	11.77	1.543	1.685	1.713	313.1
2. 2.400	165.3	1.699	3.624	12.09	1.684	1.533	1.605	317.1
2. 2.700	164.4	1.518	4.067	12.58	1.878	1.517	1.629	320.2
3. 3.000	163.4	1.375	4.507	13.08	2.052	1.587	1.760	320.4
3. 3.300	162.0	1.260	5.010	13.65	2.235	1.813	2.071	317.8
3. 3.600	160.5	1.167	5.592	14.32	2.427	2.000	2.358	314.7
3. 3.900	158.7	1.089	6.240	15.06	2.626	2.130	2.602	311.5
4. 4.200	156.8	1.024	6.944	15.87	2.827	2.218	2.818	308.4
4. 4.500	154.6	0.9687	7.696	16.75	3.028	2.279	3.022	305.1
4. 4.800	152.3	0.9221	8.493	17.69	3.230	2.326	3.225	301.6
5. 5.000	150.6	0.8950	9.050	18.35	3.364	2.353	3.364	299.1
5. 5.100	149.7	0.8826	9.336	18.69	3.432	2.366	3.435	297.8
5. 5.300	147.9	0.8596	9.924	19.39	3.566	2.391	3.582	295.1
5. 5.500	146.1	0.8390	10.53	20.12	3.702	2.415	3.735	292.1
6. 6.000	141.0	0.7969	12.16	22.08	4.044	2.474	4.150	283.9
6. 6.500	135.3	0.7664	13.93	24.28	4.395	2.534	4.619	274.6
7. 7.000	129.0	0.7461	15.87	26.72	4.756	2.596	5.146	264.4
8. 8.000	114.8	0.7338	20.25	32.44	5.518	2.719	6.307	243.9
9. 9.000	99.33	0.7539	25.16	39.25	6.320	2.837	7.226	228.8
10. 10.00	85.04	0.7926	30.21	46.67	7.101	2.937	7.510	223.0
12. 12.00	64.38	0.8724	39.66	61.41	8.446	3.062	7.147	228.5
15. 15.00	47.25	0.9509	52.15	81.78	9.964	3.137	6.478	248.6
20. 20.00	33.43	1.008	70.65	112.5	11.74	3.167	5.904	283.2
25. 25.00	26.22	1.028	87.92	141.3	13.02	3.169	5.644	314.0
30. 30.00	21.69	1.036	104.6	169.2	14.04	3.164	5.503	341.6
40. 40.00	16.24	1.037	137.2	223.4	15.60	3.154	5.362	390.1
50. 50.00	13.03	1.035	169.2	276.6	16.79	3.146	5.296	432.7
60. 60.00	10.89	1.031	200.9	329.4	17.75	3.140	5.260	471.2
80. 80.00	8.220	1.025	263.9	434.2	19.26	3.132	5.226	539.7
100. 100.0	6.605	1.020	326.6	538.6	20.42	3.128	5.211	600.3
120. 120.0	5.522	1.017	389.1	642.7	21.37	3.125	5.203	655.3
140. 140.0	4.744	1.015	451.6	746.7	22.17	3.123	5.199	706.0
160. 160.0	4.159	1.013	514.1	850.7	22.87	3.122	5.196	753.3
180. 180.0	3.703	1.011	576.5	954.6	23.48	3.121	5.195	797.8
200. 200.0	3.336	1.010	638.8	1058.	24.03	3.120	5.194	839.9
220. 220.0	3.036	1.009	701.2	1162.	24.52	3.120	5.193	880.1
240. 240.0	2.785	1.008	763.5	1266.	24.97	3.119	5.193	918.5
260. 260.0	2.573	1.008	825.9	1370.	25.39	3.119	5.192	955.4
280. 280.0	2.391	1.007	888.2	1474.	25.77	3.119	5.192	990.9
300. 300.0	2.232	1.006	950.6	1578.	26.13	3.118	5.192	1025.
350. 350.0	1.915	1.005	1106.	1837.	26.93	3.118	5.192	1106.
400. 400.0	1.677	1.005	1262.	2097.	27.63	3.117	5.192	1182.
500. 500.0	1.343	1.004	1574.	2616.	28.78	3.117	5.192	1320.
600. 600.0	1.120	1.003	1885.	3135.	29.73	3.117	5.192	1445.
700. 700.0	0.9605	1.002	2197.	3655.	30.53	3.117	5.192	1560.
800. 800.0	0.8407	1.002	2509.	4174.	31.22	3.116	5.192	1667.
900. 900.0	0.7475	1.002	2820.	4693.	31.84	3.116	5.192	1768.
1000. 1000.	0.6729	1.002	3132.	5212.	32.38	3.116	5.192	1863.
1100. 1100.	0.6118	1.001	3443.	5731.	32.88	3.116	5.192	1954.
1200. 1200.	0.5609	1.001	3755.	6251.	33.33	3.116	5.193	2041.
1300. 1300.	0.5178	1.001	4066.	6770.	33.75	3.116	5.193	2124.
1400. 1400.	0.4809	1.001	4378.	7289.	34.13	3.116	5.193	2204.
1500. 1500.	0.4489	1.001	4690.	7808.	34.49	3.116	5.193	2281.

PRESSURE = 1.400 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial V}{\partial T}\right)_T$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.5348E-03	-1.464	0.8474E-01	0.6430E-01				
1.000	-0.2741E-02	-1.720	0.8492E-01	0.6432E-01				
1.200	-0.6451E-02	-1.253	0.8496E-01	0.6438E-01				
1.400	-0.1254E-01	-0.9245	0.8503E-01	0.6447E-01				
1.600	-0.2356E-01	-0.7606	0.8590E-01	0.6462E-01				
1.800	-0.4661E-01	-0.7192	0.8927E-01	0.6489E-01				
1.916	-0.8145E-01	-0.7387	0.9392E-01	0.6515E-01				
2.006	-0.1542	-0.7871	0.1025	0.6548E-01				
2.015	-0.2078	-0.8254	0.1076	0.6553E-01				
2.017	-0.9234E-01	-0.6711	0.9697E-01	0.6554E-01				
2.026	-0.3600E-01	-0.4341	0.9184E-01	0.6556E-01				
2.116	0.1303E-01	0.2981	0.8801E-01	0.6556E-01				
2.200	0.2558E-01	0.6651	0.8761E-01	0.6551E-01				
2.400	0.4242E-01	1.101	0.8816E-01	0.6531E-01				
2.700	0.5621E-01	1.311	0.8917E-01	0.6496E-01				
3.000	0.7487E-01	1.451	0.9257E-01	0.6453E-01				
3.300	0.9815E-01	1.451	0.9772E-01	0.6399E-01				
3.600	0.1238	1.445	0.1039	0.6337E-01	0.2255E-01	5.768	0.5960E-07	0.6031
3.900	0.1522	1.455	0.1110	0.6266E-01	0.2359E-01	5.637	0.5712E-07	0.6218
4.200	0.1836	1.471	0.1193	0.6188E-01	0.2450E-01	5.507	0.5546E-07	0.6334
4.500	0.2181	1.491	0.1289	0.6101E-01	0.2528E-01	5.378	0.5411E-07	0.6428
4.800	0.2564	1.501	0.1401	0.6007E-01	0.2594E-01	5.249	0.5282E-07	0.6526
5.000	0.2841	1.511	0.1485	0.5940E-01	0.2631E-01	5.163	0.5192E-07	0.6602
5.100	0.2988	1.511	0.1530	0.5905E-01	0.2647E-01	5.120	0.5146E-07	0.6644
5.300	0.3296	1.512	0.1628	0.5833E-01	0.2676E-01	5.034	0.5051E-07	0.6738
5.500	0.3628	1.501	0.1737	0.5757E-01	0.2701E-01	4.949	0.4951E-07	0.6844
6.000	0.4575	1.481	0.2067	0.5553E-01	0.2742E-01	4.738	0.4687E-07	0.7172
6.500	0.5724	1.431	0.2501	0.5326E-01	0.2758E-01	4.532	0.4413E-07	0.7591
7.000	0.7114	1.381	0.3077	0.5076E-01	0.2752E-01	4.332	0.4145E-07	0.8099
8.000	1.058	1.241	0.4756	0.4509E-01	0.2696E-01	3.984	0.3723E-07	0.9273
9.000	1.386	1.115	0.6858	0.3894E-01	0.2626E-01	3.677	0.3659E-07	1.012
10.00	1.533	1.015	0.8464	0.3328E-01	0.2588E-01	3.505	0.4052E-07	1.017
12.00	1.480	0.9013	0.9717	0.2513E-01	0.2611E-01	3.430	0.5675E-07	0.9387
15.00	1.294	0.8232	0.9902	0.1841E-01	0.2753E-01	3.593	0.8992E-07	0.8457
20.00	1.128	0.7661	0.9736	0.1300E-01	0.3054E-01	4.032	0.1547E-06	0.7797
25.00	1.057	0.7387	0.9648	0.1019E-01	0.3368E-01	4.493	0.2277E-06	0.7529
30.00	1.023	0.7227	0.9620	0.8426E-02	0.3681E-01	4.938	0.3083E-06	0.7382
40.00	0.9933	0.7043	0.9630	0.6304E-02	0.4289E-01	5.762	0.4926E-06	0.7203
50.00	0.9833	0.6952	0.9664	0.5055E-02	0.4874E-01	6.516	0.7063E-06	0.7080
60.00	0.9800	0.6892	0.9699	0.4226E-02	0.5436E-01	7.217	0.9485E-06	0.6983
80.00	0.9795	0.6824	0.9757	0.3187E-02	0.6502E-01	8.509	0.1514E-05	0.6839
100.0	0.9813	0.6785	0.9800	0.2561E-02	0.7505E-01	9.705	0.2181E-05	0.6739
120.0	0.9833	0.6762	0.9831	0.2141E-02	0.8456E-01	10.84	0.2943E-05	0.6670
140.0	0.9851	0.6745	0.9855	0.1839E-02	0.9366E-01	11.93	0.3797E-05	0.6625
160.0	0.9867	0.6734	0.9874	0.1612E-02	0.1024	13.00	0.4738E-05	0.6598
180.0	0.9880	0.6725	0.9889	0.1435E-02	0.1108	14.04	0.5763E-05	0.6582
200.0	0.9891	0.6718	0.9900	0.1293E-02	0.1190	15.10	0.6869E-05	0.6588
220.0	0.9901	0.6712	0.9910	0.1177E-02	0.1270	16.12	0.8054E-05	0.6592
240.0	0.9909	0.6708	0.9918	0.1079E-02	0.1347	17.11	0.9315E-05	0.6596
260.0	0.9916	0.6704	0.9925	0.9971E-03	0.1423	18.08	0.1065E-04	0.6599
280.0	0.9922	0.6701	0.9931	0.9264E-03	0.1497	19.03	0.1206E-04	0.6601
300.0	0.9928	0.6698	0.9936	0.8650E-03	0.1569	19.96	0.1354E-04	0.6603
350.0	0.9939	0.6693	0.9947	0.7422E-03	0.1745	22.20	0.1754E-04	0.6606
400.0	0.9947	0.6693	0.9954	0.6498E-03	0.1913	24.34	0.2197E-04	0.6608
500.0	0.9959	0.6694	0.9964	0.5204E-03	0.2232	28.41	0.3200E-04	0.6610
600.0	0.9967	0.6691	0.9971	0.4340E-03	0.2533	32.25	0.4355E-04	0.6611
700.0	0.9972	0.6679	0.9976	0.3722E-03	0.2819	35.89	0.5652E-04	0.6611
800.0	0.9976	0.6677	0.9979	0.3257E-03	0.3093	39.39	0.7086E-04	0.6612
900.0	0.9979	0.6676	0.9982	0.2896E-03	0.3358	42.76	0.8651E-04	0.6612
1000.	0.9982	0.6675	0.9984	0.2607E-03	0.3614	46.01	0.1034E-03	0.6612
1100.	0.9983	0.6674	0.9986	0.2370E-03	0.3862	49.18	0.1216E-03	0.6611
1200.	0.9985	0.6673	0.9987	0.2173E-03	0.4104	52.26	0.1409E-03	0.6611
1300.	0.9986	0.6673	0.9988	0.2006E-03	0.4340	55.26	0.1614E-03	0.6611
1400.	0.9988	0.6672	0.9989	0.1863E-03	0.4571	58.19	0.1831E-03	0.6611
1500.	0.9989	0.6672	0.9990	0.1739E-03	0.4797	61.07	0.2058E-03	0.6611

PRESSURE = 1.600 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	CP [J/g·K]	VSOUND [m/s]
0.8000	164.7	5.845	0.5616	10.27	0.6129E-02	0.5513E-01	0.5518E-01	325.6
1.000	164.8	4.674	0.5862	10.30	0.2931E-01	0.1749	0.1757	326.0
1.200	164.9	3.892	0.6536	10.36	0.8310E-01	0.4556	0.4591	327.0
1.400	165.1	3.332	0.8099	10.50	0.1920	1.015	1.028	328.0
1.600	165.5	2.908	1.132	10.80	0.3899	2.014	2.057	327.2
1.800	166.3	2.573	1.755	11.38	0.7287	3.761	3.938	322.4
1.889	166.9	2.444	2.198	11.79	0.9510	5.034	5.399	318.4
2.1979	167.7	2.320	2.850	12.39	1.262	7.728	8.832	312.6
3.1988	167.9	2.308	2.944	12.48	1.306	9.321	11.18	311.5
3.1990	167.9	2.305	2.966	12.50	1.316	5.683	6.103	312.4
2.1999	167.9	2.294	3.008	12.53	1.335	3.582	3.652	314.0
2.089	168.0	2.195	3.225	12.75	1.441	1.889	1.895	319.1
2.200	167.8	2.086	3.405	12.94	1.529	1.569	1.600	323.0
2.400	167.3	1.918	3.683	13.25	1.663	1.499	1.568	326.7
2.700	166.5	1.714	4.113	13.73	1.854	1.472	1.574	330.1
3.000	165.5	1.552	4.535	14.20	2.023	1.545	1.702	330.5
3.300	164.2	1.421	5.018	14.76	2.200	1.774	2.007	328.0
3.600	162.8	1.314	5.577	15.41	2.387	1.963	2.288	325.2
3.900	161.1	1.226	6.200	16.13	2.579	2.095	2.524	322.4
4.200	159.3	1.151	6.875	16.92	2.774	2.185	2.730	319.6
4.500	157.3	1.088	7.596	17.77	2.969	2.248	2.923	316.8
4.800	155.2	1.034	8.360	18.67	3.164	2.297	3.112	313.8
5.000	153.6	1.003	8.891	19.31	3.293	2.325	3.240	311.6
5.100	152.8	0.9882	9.164	19.63	3.358	2.338	3.305	310.5
5.300	151.2	0.9613	9.725	20.31	3.488	2.364	3.439	308.1
5.500	149.5	0.9370	10.30	21.01	3.618	2.389	3.577	305.6
6.000	144.8	0.8864	11.84	22.89	3.944	2.451	3.944	298.5
6.500	139.7	0.8480	13.51	24.96	4.276	2.512	4.348	290.3
7.000	134.2	0.8200	15.32	27.24	4.614	2.574	4.790	281.4
8.000	121.7	0.7909	19.37	32.51	5.316	2.695	5.756	262.7
9.000	108.0	0.7922	23.92	38.73	6.048	2.809	6.649	246.8
10.00	94.52	0.8149	28.74	45.67	6.779	2.908	7.151	237.7
12.00	73.00	0.8793	38.17	60.09	8.093	3.045	7.122	237.5
15.00	53.84	0.9537	50.90	80.61	9.622	3.134	6.567	254.1
20.00	38.05	1.012	69.74	111.8	11.42	3.172	5.980	286.9
25.00	29.81	1.034	87.22	140.9	12.72	3.175	5.696	317.2
30.00	24.66	1.041	104.1	169.0	13.74	3.170	5.540	344.5
40.00	18.46	1.043	136.8	223.5	15.31	3.159	5.383	392.7
50.00	14.82	1.040	168.9	276.9	16.51	3.149	5.309	435.1
60.00	12.40	1.035	200.7	329.8	17.47	3.143	5.269	473.4
80.00	9.361	1.029	263.8	434.7	18.98	3.135	5.231	541.6
100.0	7.527	1.023	326.5	539.1	20.14	3.130	5.213	602.0
120.0	6.295	1.020	389.1	643.3	21.09	3.127	5.205	656.8
140.0	5.411	1.017	451.6	747.3	21.90	3.125	5.200	707.3
160.0	4.745	1.015	514.1	851.3	22.59	3.123	5.197	754.5
180.0	4.225	1.013	576.5	955.2	23.20	3.122	5.185	799.0
200.0	3.808	1.011	638.9	1059.	23.75	3.121	5.194	841.0
220.0	3.465	1.010	701.3	1163.	24.24	3.120	5.193	881.1
240.0	3.180	1.009	763.6	1267.	24.70	3.120	5.193	919.5
260.0	2.937	1.009	826.0	1371.	25.11	3.119	5.192	956.3
280.0	2.729	1.008	888.3	1475.	25.50	3.119	5.192	991.8
300.0	2.549	1.007	950.6	1578.	25.85	3.119	5.192	1026.
350.0	2.187	1.006	1106.	1838.	26.65	3.118	5.192	1107.
400.0	1.916	1.005	1262.	2098.	27.35	3.118	5.192	1182.
500.0	1.534	1.004	1574.	2617.	28.51	3.117	5.192	1321.
600.0	1.280	1.003	1885.	3136.	29.45	3.117	5.192	1446.
700.0	1.097	1.003	2197.	3655.	30.25	3.117	5.192	1561.
800.0	0.9606	1.002	2509.	4174.	30.95	3.117	5.192	1668.
900.0	0.8541	1.002	2820.	4694.	31.56	3.116	5.192	1768.
1000.	0.7689	1.002	3132.	5213.	32.11	3.116	5.192	1864.
1100.	0.6991	1.002	3443.	5732.	32.60	3.116	5.192	1954.
1200.	0.6409	1.001	3755.	6251.	33.05	3.116	5.192	2041.
1300.	0.5917	1.001	4066.	6770.	33.47	3.116	5.193	2124.
1400.	0.5495	1.001	4378.	7290.	33.85	3.116	5.193	2204.
1500.	0.5129	1.001	4690.	7809.	34.21	3.116	5.193	2281.

TEMP [K]	PRESSURE = 1.600 [MPa]							
	$\left(\frac{\partial V}{\partial T}\right)_P$	$\left(\frac{\partial V}{C_V} \frac{\partial T}{\partial P}\right)_V$	$\left(\frac{\partial P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [$\mu\text{Pa}\cdot\text{s}$]	THDIFF [m^2/s]	PRANDTL
0.8000	-0.6531E-03	-1.56E	0.9172E-01	0.6508E-01				
1.000	-0.2725E-02	-1.64E	0.9175E-01	0.6510E-01				
1.200	-0.6271E-02	-1.217	0.9142E-01	0.6515E-01				
1.400	-0.1271E-01	-0.9504	0.9117E-01	0.6525E-01				
1.600	-0.2579E-01	-0.8389	0.9221E-01	0.6541E-01				
1.800	-0.5667E-01	-0.8310	0.9690E-01	0.6571E-01				
1.889	-0.8543E-01	-0.8491	0.1015	0.6594E-01				
1.979	-0.1599	-0.8937	0.1116	0.6629E-01				
1.988	-0.2135	-0.9327	0.1178	0.6635E-01				
1.990	-0.9590E-01	-0.7707	0.1048	0.6636E-01				
1.999	-0.3794E-01	-0.5127	0.9849E-01	0.6638E-01				
2.089	0.1088E-01	0.2801	0.9380E-01	0.6639E-01				
2.200	0.2581E-01	0.7657	0.9320E-01	0.6632E-01				
2.400	0.4028E-01	1.147	0.9370E-01	0.6612E-01				
2.700	0.5205E-01	1.334	0.9435E-01	0.6577E-01				
3.000	0.6888E-01	1.477	0.9752E-01	0.6537E-01				
3.300	0.9004E-01	1.461	0.1025	0.6487E-01				
3.600	0.1135	1.457	0.1083	0.6429E-01	0.2303E-01	6.088	0.6184E-07	0.6048
3.900	0.1392	1.470	0.1151	0.6363E-01	0.2412E-01	5.937	0.5931E-07	0.6212
4.200	0.1675	1.491	0.1229	0.6290E-01	0.2509E-01	5.794	0.5767E-07	0.6305
4.500	0.1983	1.511	0.1318	0.6210E-01	0.2593E-01	5.654	0.5639E-07	0.6373
4.800	0.2320	1.529	0.1419	0.6123E-01	0.2664E-01	5.517	0.5517E-07	0.6445
5.000	0.2562	1.537	0.1495	0.6061E-01	0.2705E-01	5.427	0.5434E-07	0.6501
5.100	0.2689	1.537	0.1535	0.6029E-01	0.2724E-01	5.383	0.5391E-07	0.6533
5.300	0.2954	1.537	0.1622	0.5963E-01	0.2757E-01	5.295	0.5303E-07	0.6604
5.500	0.3236	1.537	0.1716	0.5894E-01	0.2785E-01	5.208	0.5211E-07	0.6687
6.000	0.4024	1.511	0.1996	0.5708E-01	0.2837E-01	4.994	0.4966E-07	0.6944
6.500	0.4950	1.477	0.2351	0.5504E-01	0.2864E-01	4.789	0.4713E-07	0.7271
7.000	0.6036	1.427	0.2801	0.5282E-01	0.2869E-01	4.592	0.4464E-07	0.7664
8.000	0.8704	1.307	0.4066	0.4785E-01	0.2835E-01	4.231	0.4046E-07	0.8591
9.000	1.159	1.187	0.5757	0.4239E-01	0.2775E-01	3.937	0.3863E-07	0.9434
10.00	1.359	1.077	0.7370	0.3703E-01	0.2728E-01	3.735	0.4036E-07	0.9790
12.00	1.424	0.940	0.9086	0.2853E-01	0.2725E-01	3.591	0.5241E-07	0.9385
15.00	1.293	0.8477	0.9645	0.2099E-01	0.2844E-01	3.698	0.8044E-07	0.8539
20.00	1.134	0.780	0.9629	0.1481E-01	0.3128E-01	4.102	0.1375E-06	0.7842
25.00	1.060	0.749	0.9572	0.1159E-01	0.3432E-01	4.548	0.2021E-06	0.7549
30.00	1.023	0.730	0.9555	0.9580E-02	0.3736E-01	4.984	0.2735E-06	0.7390
40.00	0.9916	0.710	0.9576	0.7169E-02	0.4335E-01	5.801	0.4361E-06	0.7204
50.00	0.9808	0.699	0.9616	0.5751E-02	0.4912E-01	6.550	0.6243E-06	0.7080
60.00	0.9771	0.692	0.9657	0.4810E-02	0.5469E-01	7.248	0.8372E-06	0.6983
80.00	0.9767	0.684	0.9723	0.3631E-02	0.6529E-01	8.537	0.1333E-05	0.6839
100.0	0.9787	0.680	0.9772	0.2918E-02	0.7528E-01	9.730	0.1918E-05	0.6739
120.0	0.9810	0.677	0.9808	0.2441E-02	0.8477E-01	10.86	0.2587E-05	0.6670
140.0	0.9830	0.675	0.9835	0.2098E-02	0.9384E-01	11.96	0.3335E-05	0.6624
160.0	0.9848	0.674	0.9856	0.1839E-02	0.1026	13.02	0.4160E-05	0.6597
180.0	0.9863	0.673	0.9873	0.1638E-02	0.1110	14.06	0.5058E-05	0.6580
200.0	0.9876	0.672	0.9886	0.1476E-02	0.1192	15.11	0.6027E-05	0.6585
220.0	0.9887	0.671	0.9897	0.1343E-02	0.1271	16.13	0.7064E-05	0.6589
240.0	0.9896	0.671	0.9907	0.1232E-02	0.1349	17.12	0.8169E-05	0.6593
260.0	0.9904	0.670	0.9915	0.1138E-02	0.1424	18.09	0.9339E-05	0.6595
280.0	0.9911	0.670	0.9921	0.1058E-02	0.1498	19.04	0.1057E-04	0.6597
300.0	0.9918	0.670	0.9927	0.9878E-03	0.1571	19.96	0.1187E-04	0.6599
350.0	0.9930	0.669	0.9939	0.8476E-03	0.1746	22.20	0.1538E-04	0.6601
400.0	0.9940	0.669	0.9948	0.7423E-03	0.1914	24.34	0.1925E-04	0.6603
500.0	0.9953	0.668	0.9959	0.5945E-03	0.2233	28.41	0.2803E-04	0.6604
600.0	0.9962	0.668	0.9967	0.4958E-03	0.2534	32.23	0.3814E-04	0.6605
700.0	0.9968	0.668	0.9973	0.4252E-03	0.2820	35.87	0.4950E-04	0.6605
800.0	0.9973	0.667	0.9976	0.3722E-03	0.3094	39.36	0.6204E-04	0.6605
900.0	0.9976	0.667	0.9979	0.3309E-03	0.3359	42.73	0.7574E-04	0.6605
1000.	0.9979	0.667	0.9982	0.2979E-03	0.3615	45.98	0.9055E-04	0.6604
1100.	0.9981	0.667	0.9984	0.2709E-03	0.3863	49.14	0.1064E-03	0.6604
1200.	0.9983	0.667	0.9985	0.2483E-03	0.4105	52.21	0.1234E-03	0.6604
1300.	0.9984	0.667	0.9987	0.2293E-03	0.4341	55.21	0.1413E-03	0.6604
1400.	0.9986	0.667	0.9988	0.2129E-03	0.4572	58.15	0.1602E-03	0.6604
1500.	0.9987	0.667	0.9989	0.1987E-03	0.4798	61.02	0.1801E-03	0.6604

PRESSURE = 1.800 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C _V [J/g*K]	C _P [J/g*K]	VSOUND [m/s]
0.8000	166.6	6.503	0.6769	11.48	0.7175E-02	0.6310E-01	0.6317E-01	332.5
1.000	166.6	5.200	0.7038	11.51	0.3251E-01	0.1870	0.1877	333.2
1.200	166.8	4.330	0.7747	11.57	0.8922E-01	0.4777	0.4809	334.6
1.400	167.0	3.707	0.9384	11.72	0.2030	1.060	1.073	335.9
1.600	167.4	3.235	1.279	12.03	0.4102	2.107	2.162	335.1
1.800	168.3	2.861	1.949	12.64	0.7695	3.970	4.221	329.6
1.861	168.7	2.760	2.263	12.93	0.9264	4.862	5.278	326.6
1.951	169.6	2.618	2.911	13.52	1.235	7.400	8.628	320.5
1.960	169.8	2.604	3.004	13.61	1.278	8.837	10.85	319.3
1.962	169.8	2.601	3.027	13.63	1.289	5.447	5.923	320.3
1.971	169.9	2.588	3.068	13.66	1.308	3.417	3.498	322.0
2.061	169.9	2.475	3.276	13.87	1.410	1.806	1.810	327.6
2.200	169.7	2.321	3.488	14.09	1.515	1.473	1.506	332.5
2.400	169.2	2.134	3.749	14.39	1.643	1.470	1.536	335.9
2.700	168.4	1.906	4.169	14.86	1.832	1.431	1.525	339.5
3.000	167.4	1.725	4.575	15.33	1.997	1.507	1.650	339.9
3.300	166.3	1.579	5.040	15.87	2.168	1.737	1.950	337.6
3.600	164.9	1.460	5.578	16.49	2.350	1.928	2.225	335.0
3.900	163.4	1.360	6.179	17.20	2.537	2.062	2.454	332.4
4.200	161.7	1.276	6.830	17.96	2.726	2.153	2.653	330.0
4.500	159.8	1.205	7.524	18.79	2.916	2.218	2.837	327.5
4.800	157.8	1.144	8.258	19.67	3.105	2.269	3.016	324.9
5.000	156.4	1.108	8.769	20.28	3.230	2.298	3.136	323.0
5.100	155.6	1.092	9.031	20.60	3.293	2.312	3.197	322.1
5.300	154.1	1.061	9.568	21.25	3.418	2.339	3.321	320.0
5.500	152.5	1.033	10.12	21.93	3.544	2.365	3.448	317.8
6.000	148.2	0.9743	11.59	23.73	3.858	2.429	3.783	311.5
6.500	143.6	0.9285	13.18	25.71	4.175	2.492	4.144	304.3
7.000	138.5	0.8935	14.89	27.88	4.496	2.556	4.531	296.4
8.000	127.4	0.8504	18.69	32.83	5.155	2.677	5.365	279.4
9.000	115.1	0.8367	22.97	38.61	5.835	2.788	6.181	263.6
10.00	102.5	0.8452	27.55	45.11	6.520	2.886	6.771	252.6
12.00	80.94	0.8922	36.84	59.08	7.792	3.029	7.030	247.4
15.00	60.22	0.9593	49.71	79.60	9.321	3.131	6.621	260.1
20.00	42.58	1.017	68.85	111.1	11.14	3.176	6.045	290.9
25.00	33.35	1.039	86.54	140.5	12.45	3.181	5.744	320.5
30.00	27.58	1.047	103.5	168.8	13.48	3.176	5.576	347.5
40.00	20.66	1.048	136.4	223.6	15.06	3.163	5.404	395.3
50.00	16.59	1.045	168.7	277.1	16.26	3.153	5.323	437.4
60.00	13.89	1.040	200.5	330.1	17.22	3.146	5.278	475.6
80.00	10.50	1.032	263.7	435.2	18.73	3.137	5.235	543.5
100.0	8.443	1.026	326.5	539.7	19.90	3.131	5.216	603.7
120.0	7.065	1.022	389.1	643.9	20.85	3.128	5.206	658.3
140.0	6.075	1.019	451.7	748.0	21.65	3.126	5.201	708.7
160.0	5.328	1.016	514.1	851.9	22.35	3.124	5.197	755.8
180.0	4.745	1.014	576.5	955.9	22.96	3.123	5.195	800.2
200.0	4.277	1.013	638.9	1060.	23.50	3.122	5.194	842.2
220.0	3.893	1.012	701.3	1164.	24.00	3.121	5.193	882.2
240.0	3.573	1.011	763.7	1267.	24.45	3.120	5.193	920.5
260.0	3.301	1.010	826.0	1371.	24.87	3.120	5.192	957.2
280.0	3.067	1.009	888.4	1475.	25.25	3.119	5.192	992.7
300.0	2.865	1.008	950.7	1579.	25.61	3.119	5.192	1027.
350.0	2.459	1.007	1107.	1839.	26.41	3.118	5.192	1108.
400.0	2.154	1.006	1262.	2098.	27.10	3.118	5.191	1183.
500.0	1.725	1.005	1574.	2617.	28.26	3.117	5.192	1321.
600.0	1.439	1.004	1886.	3136.	29.21	3.117	5.192	1446.
700.0	1.234	1.003	2197.	3656.	30.01	3.117	5.192	1561.
800.0	1.080	1.003	2509.	4175.	30.70	3.117	5.192	1668.
900.0	0.9606	1.002	2820.	4694.	31.31	3.116	5.192	1769.
1000.	0.8648	1.002	3132.	5213.	31.86	3.116	5.192	1864.
1100.	0.7863	1.002	3443.	5733.	32.36	3.116	5.192	1955.
1200.	0.7209	1.002	3755.	6252.	32.81	3.116	5.192	2041.
1300.	0.6656	1.002	4067.	6771.	33.22	3.116	5.192	2124.
1400.	0.6181	1.001	4378.	7280.	33.61	3.116	5.192	2204.
1500.	0.5770	1.001	4690.	7809.	33.97	3.116	5.193	2282.

PRESSURE = 1.800 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.7229E-03	-1.582	0.9783E-01	0.6583E-01				
1.000	-0.2545E-02	-1.505	0.9767E-01	0.6585E-01				
1.200	-0.5874E-02	-1.140	0.9705E-01	0.6590E-01				
1.400	-0.1284E-01	-0.9645	0.9671E-01	0.6599E-01				
1.600	-0.2840E-01	-0.9220	0.9824E-01	0.6616E-01				
1.800	-0.6644E-01	-0.9498	0.1047	0.6651E-01				
1.861	-0.8881E-01	-0.9644	0.1086	0.6669E-01				
1.951	-0.1649	-1.006	0.1205	0.6706E-01				
1.960	-0.2182	-1.046	0.1277	0.6712E-01				
1.962	-0.9954E-01	-0.8786	0.1124	0.6714E-01				
1.971	-0.3964E-01	-0.5981	0.1046	0.6715E-01				
2.061	0.9021E-02	0.2595	0.9895E-01	0.6717E-01				
2.200	0.2591E-01	0.8645	0.9810E-01	0.6709E-01				
2.400	0.3836E-01	1.174	0.9852E-01	0.6689E-01				
2.700	0.4844E-01	1.356	0.9887E-01	0.6654E-01				
3.000	0.6369E-01	1.487	0.1019	0.6616E-01				
3.300	0.8318E-01	1.473	0.1066	0.6569E-01				
3.600	0.1047	1.468	0.1122	0.6515E-01	0.2348E-01	6.408	0.6400E-07	0.6072
3.900	0.1284	1.483	0.1187	0.6453E-01	0.2463E-01	6.237	0.6142E-07	0.6216
4.200	0.1542	1.507	0.1260	0.6385E-01	0.2565E-01	6.078	0.5978E-07	0.6288
4.500	0.1822	1.531	0.1343	0.6310E-01	0.2654E-01	5.926	0.5853E-07	0.6336
4.800	0.2125	1.549	0.1436	0.6229E-01	0.2730E-01	5.781	0.5737E-07	0.6385
5.000	0.2341	1.558	0.1505	0.6171E-01	0.2775E-01	5.686	0.5658E-07	0.6427
5.100	0.2453	1.560	0.1542	0.6142E-01	0.2795E-01	5.640	0.5618E-07	0.6451
5.300	0.2687	1.563	0.1620	0.6080E-01	0.2832E-01	5.548	0.5534E-07	0.6506
5.500	0.2933	1.562	0.1704	0.6016E-01	0.2864E-01	5.458	0.5447E-07	0.6571
6.000	0.3612	1.544	0.1949	0.5845E-01	0.2925E-01	5.240	0.5216E-07	0.6777
6.500	0.4391	1.510	0.2251	0.5658E-01	0.2961E-01	5.032	0.4976E-07	0.7042
7.000	0.5284	1.463	0.2622	0.5456E-01	0.2976E-01	4.834	0.4741E-07	0.7360
8.000	0.7431	1.351	0.3629	0.5010E-01	0.2960E-01	4.476	0.4331E-07	0.8114
9.000	0.9869	1.233	0.4989	0.4519E-01	0.2910E-01	4.178	0.4091E-07	0.8874
10.00	1.195	1.126	0.6456	0.4021E-01	0.2862E-01	3.957	0.4122E-07	0.9363
12.00	1.349	0.9789	0.8431	0.3166E-01	0.2837E-01	3.755	0.4985E-07	0.9306
15.00	1.279	0.8715	0.9341	0.2350E-01	0.2934E-01	3.807	0.7359E-07	0.8591
20.00	1.136	0.7952	0.9504	0.1658E-01	0.3201E-01	4.172	0.1243E-06	0.7881
25.00	1.062	0.7594	0.9489	0.1297E-01	0.3495E-01	4.603	0.1824E-06	0.7567
30.00	1.023	0.7386	0.9487	0.1072E-01	0.3792E-01	5.032	0.2466E-06	0.7398
40.00	0.9897	0.7156	0.9521	0.8024E-02	0.4380E-01	5.840	0.3923E-06	0.7204
50.00	0.9781	0.7033	0.9569	0.6441E-02	0.4951E-01	6.585	0.5606E-06	0.7079
60.00	0.9742	0.6957	0.9615	0.5389E-02	0.5503E-01	7.280	0.7508E-06	0.6983
80.00	0.9738	0.6869	0.9690	0.4071E-02	0.6557E-01	8.565	0.1193E-05	0.6839
100.0	0.9761	0.6820	0.9744	0.3274E-02	0.7551E-01	9.755	0.1715E-05	0.6738
120.0	0.9787	0.6789	0.9785	0.2739E-02	0.8497E-01	10.89	0.2310E-05	0.6669
140.0	0.9810	0.6768	0.9815	0.2355E-02	0.9403E-01	11.98	0.2976E-05	0.6624
160.0	0.9830	0.6753	0.9838	0.2066E-02	0.1028	13.04	0.3710E-05	0.6595
180.0	0.9846	0.6741	0.9857	0.1839E-02	0.1112	14.08	0.4510E-05	0.6578
200.0	0.9861	0.6732	0.9872	0.1658E-02	0.1193	15.13	0.5372E-05	0.6583
220.0	0.9873	0.6725	0.9885	0.1509E-02	0.1273	16.14	0.6285E-05	0.6587
240.0	0.9884	0.6720	0.9895	0.1385E-02	0.1350	17.13	0.7278E-05	0.6590
260.0	0.9893	0.6715	0.9904	0.1279E-02	0.1426	18.10	0.8319E-05	0.6592
280.0	0.9901	0.6711	0.9912	0.1189E-02	0.1500	19.04	0.9417E-05	0.6593
300.0	0.9907	0.6707	0.9918	0.1110E-02	0.1572	19.97	0.1057E-04	0.6594
350.0	0.9922	0.6701	0.9931	0.9529E-03	0.1747	22.20	0.1369E-04	0.6596
400.0	0.9932	0.6696	0.9941	0.8345E-03	0.1915	24.34	0.1713E-04	0.6597
500.0	0.9947	0.6688	0.9954	0.6685E-03	0.2234	28.40	0.2495E-04	0.6598
600.0	0.9957	0.6681	0.9963	0.5575E-03	0.2535	32.22	0.3393E-04	0.6598
700.0	0.9964	0.6682	0.9969	0.4782E-03	0.2821	35.85	0.4403E-04	0.6598
800.0	0.9969	0.6680	0.9974	0.4186E-03	0.3096	39.34	0.5519E-04	0.6598
900.0	0.9973	0.6678	0.9977	0.3722E-03	0.3360	42.70	0.6737E-04	0.6598
1000.	0.9976	0.6677	0.9980	0.3351E-03	0.3616	45.94	0.8053E-04	0.6597
1100.	0.9979	0.6678	0.9982	0.3047E-03	0.3864	49.10	0.9465E-04	0.6597
1200.	0.9981	0.6677	0.9983	0.2793E-03	0.4106	52.17	0.1097E-03	0.6597
1300.	0.9983	0.6677	0.9985	0.2579E-03	0.4342	55.17	0.1256E-03	0.6597
1400.	0.9984	0.6677	0.9986	0.2395E-03	0.4573	58.10	0.1425E-03	0.6597
1500.	0.9985	0.6677	0.9987	0.2235E-03	0.4799	60.97	0.1602E-03	0.6597

PRESSURE = 2.000 [MPa]

TEMP (K)	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C _V [J/g*K]	C _P [J/g*K]	VSOUND [m/s]
0.8000	168.4	7.149	0.7978	12.68	0.8260E-02	0.6999E-01	0.7006E-01	339.8
1.000	168.4	5.717	0.8263	12.70	0.3538E-01	0.1973	0.1979	340.7
1.200	168.5	4.761	0.9002	12.77	0.9483E-01	0.5004	0.5032	342.3
1.400	168.7	4.076	1.072	12.82	0.2140	1.112	1.126	343.5
1.600	169.2	3.556	1.435	13.25	0.4325	2.218	2.290	342.3
1.800	170.2	3.142	2.163	13.91	0.8168	4.216	4.570	335.8
1.832	170.5	3.083	2.334	14.07	0.9018	4.693	5.158	334.1
1.922	171.5	2.922	2.978	14.64	1.208	7.077	8.429	327.6
1.931	171.6	2.906	3.070	14.72	1.251	8.376	10.56	326.4
1.933	171.7	2.902	3.095	14.75	1.262	5.218	5.753	327.6
1.942	171.7	2.888	3.135	14.78	1.281	3.260	3.352	329.5
2.032	171.8	2.759	3.335	14.98	1.380	1.727	1.730	335.5
2.200	171.5	2.552	3.575	15.24	1.502	1.394	1.429	341.6
2.400	171.0	2.346	3.822	15.52	1.624	1.447	1.511	344.7
2.700	170.2	2.096	4.233	15.99	1.811	1.393	1.480	348.4
3.000	169.3	1.896	4.625	16.44	1.972	1.471	1.602	348.8
3.300	168.2	1.735	5.074	16.97	2.139	1.703	1.898	346.7
3.600	166.9	1.603	5.594	17.58	2.316	1.895	2.167	344.2
3.900	165.5	1.492	6.175	18.26	2.499	2.030	2.392	341.9
4.200	163.9	1.399	6.804	19.01	2.683	2.123	2.585	339.8
4.500	162.1	1.320	7.475	19.81	2.867	2.190	2.762	337.6
4.800	160.2	1.252	8.183	20.67	3.051	2.242	2.933	335.3
5.000	158.9	1.212	8.676	21.26	3.173	2.273	3.047	333.7
5.100	158.2	1.193	8.928	21.57	3.234	2.287	3.105	332.8
5.300	156.7	1.159	9.445	22.20	3.356	2.315	3.221	331.0
5.500	155.3	1.128	9.979	22.86	3.477	2.342	3.341	329.0
6.000	151.3	1.061	11.39	24.61	3.781	2.408	3.652	323.4
6.500	147.0	1.008	12.91	26.52	4.086	2.474	3.983	317.0
7.000	142.3	0.9664	14.54	28.50	4.394	2.539	4.333	309.8
8.000	132.1	0.9109	18.16	33.29	5.021	2.662	5.074	294.3
9.000	120.9	0.8847	22.20	38.74	5.662	2.773	5.814	279.1
10.00	109.3	0.8808	26.58	44.88	6.307	2.870	6.420	267.2
12.00	88.17	0.9100	35.66	58.35	7.534	3.016	6.892	257.9
15.00	66.33	0.9677	48.61	78.76	9.053	3.127	6.643	266.7
20.00	47.04	1.023	68.00	110.5	10.88	3.180	6.101	295.2
25.00	36.84	1.046	85.87	140.2	12.21	3.186	5.789	324.0
30.00	30.47	1.053	103.0	168.6	13.25	3.181	5.609	350.6
40.00	22.84	1.054	136.1	223.7	14.83	3.168	5.424	398.0
50.00	18.35	1.050	168.4	277.4	16.03	3.157	5.336	439.8
60.00	15.37	1.044	200.3	330.5	17.00	3.149	5.287	477.8
80.00	11.62	1.036	263.6	435.7	18.51	3.139	5.239	545.4
100.0	9.355	1.029	326.5	540.3	19.68	3.133	5.218	605.4
120.0	7.832	1.025	389.1	644.5	20.63	3.129	5.208	659.8
140.0	6.736	1.021	451.7	748.6	21.43	3.127	5.201	710.1
160.0	5.910	1.018	514.2	852.6	22.13	3.125	5.198	757.1
180.0	5.264	1.016	576.6	956.5	22.74	3.123	5.196	801.4
200.0	4.746	1.014	639.0	1060.	23.29	3.122	5.194	843.3
220.0	4.321	1.013	701.4	1164.	23.78	3.121	5.193	883.2
240.0	3.965	1.012	763.7	1268.	24.23	3.121	5.193	921.5
260.0	3.664	1.011	826.1	1372.	24.65	3.120	5.192	958.2
280.0	3.405	1.010	888.4	1476.	25.03	3.120	5.192	993.6
300.0	3.180	1.009	950.8	1580.	25.39	3.119	5.192	1028.
350.0	2.730	1.008	1107.	1839.	26.19	3.119	5.191	1109.
400.0	2.391	1.007	1262.	2099.	26.88	3.118	5.191	1184.
500.0	1.916	1.005	1574.	2618.	28.04	3.118	5.191	1322.
600.0	1.598	1.004	1886.	3137.	28.99	3.117	5.192	1447.
700.0	1.371	1.003	2197.	3656.	29.79	3.117	5.192	1562.
800.0	1.200	1.003	2509.	4175.	30.48	3.117	5.192	1669.
900.0	1.067	1.003	2820.	4695.	31.09	3.117	5.192	1769.
1000.	0.9606	1.002	3132.	5214.	31.64	3.116	5.192	1865.
1100.	0.8735	1.002	3443.	5733.	32.14	3.116	5.192	1955.
1200.	0.8009	1.002	3755.	6252.	32.59	3.116	5.192	2042.
1300.	0.7394	1.002	4067.	6772.	33.00	3.116	5.192	2125.
1400.	0.6867	1.002	4378.	7291.	33.39	3.116	5.192	2205.
1500.	0.6410	1.001	4690.	7810.	33.75	3.116	5.192	2282.

TEMP [K]	PRESSURE = 2.000 [MPa]			DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$					
0.8000	-0.7149E-03	-1.473	0.1030	0.6654E-01				
1.000	-0.2264E-02	-1.328	0.1026	0.6656E-01				
1.200	-0.5437E-02	-1.055	0.1019	0.6661E-01				
1.400	-0.1316E-01	-0.9851	0.1017	0.6670E-01				
1.600	-0.3172E-01	-1.014	0.1042	0.6689E-01				
1.800	-0.7831E-01	-1.074	0.1129	0.6730E-01				
1.832	-0.9160E-01	-1.082	0.1155	0.6740E-01				
1.922	-0.1698	-1.125	0.1294	0.6780E-01				
1.931	-0.2233	-1.167	0.1379	0.6786E-01				
1.933	-0.1030	-0.9944	0.1197	0.6787E-01				
1.942	-0.4108E-01	-0.6854	0.1103	0.6789E-01				
2.032	0.7424E-02	0.2378	0.1036	0.6792E-01				
2.200	0.2593E-01	0.9824	0.1024	0.6782E-01				
2.400	0.3668E-01	1.202	0.1028	0.6762E-01				
2.700	0.4530E-01	1.376	0.1029	0.6727E-01				
3.000	0.5923E-01	1.500	0.1057	0.6690E-01				
3.300	0.7728E-01	1.483	0.1103	0.6646E-01				
3.600	0.9731E-01	1.478	0.1157	0.6595E-01	0.2391E-01	6.731	0.6610E-07	0.6102
3.900	0.1192	1.495	0.1218	0.6537E-01	0.2511E-01	6.537	0.6344E-07	0.6227
4.200	0.1430	1.521	0.1287	0.6473E-01	0.2618E-01	6.361	0.6180E-07	0.6281
4.500	0.1687	1.547	0.1365	0.6403E-01	0.2712E-01	6.196	0.6057E-07	0.6311
4.800	0.1963	1.568	0.1452	0.6326E-01	0.2793E-01	6.041	0.5945E-07	0.6342
5.000	0.2159	1.578	0.1516	0.6272E-01	0.2841E-01	5.941	0.5869E-07	0.6371
5.100	0.2260	1.581	0.1550	0.6244E-01	0.2863E-01	5.892	0.5830E-07	0.6389
5.300	0.2470	1.585	0.1621	0.6187E-01	0.2903E-01	5.796	0.5750E-07	0.6431
5.500	0.2691	1.585	0.1698	0.6127E-01	0.2939E-01	5.702	0.5666E-07	0.6482
6.000	0.3289	1.570	0.1916	0.5967E-01	0.3008E-01	5.477	0.5444E-07	0.6650
6.500	0.3965	1.539	0.2180	0.5794E-01	0.3052E-01	5.265	0.5214E-07	0.6871
7.000	0.4725	1.496	0.2498	0.5608E-01	0.3075E-01	5.065	0.4987E-07	0.7136
8.000	0.6518	1.390	0.3332	0.5199E-01	0.3074E-01	4.704	0.4585E-07	0.7766
9.000	0.8582	1.278	0.4451	0.4752E-01	0.3034E-01	4.402	0.4316E-07	0.8434
10.00	1.055	1.173	0.5734	0.4290E-01	0.2988E-01	4.169	0.4257E-07	0.8958
12.00	1.264	1.017	0.7794	0.3451E-01	0.2946E-01	3.921	0.4849E-07	0.9171
15.00	1.255	0.8957	0.9007	0.2590E-01	0.3021E-01	3.918	0.6856E-07	0.8615
20.00	1.134	0.8098	0.9364	0.1832E-01	0.3272E-01	4.245	0.1140E-06	0.7915
25.00	1.061	0.7697	0.9400	0.1433E-01	0.3557E-01	4.659	0.1668E-06	0.7584
30.00	1.022	0.7465	0.9417	0.1185E-01	0.3848E-01	5.079	0.2251E-06	0.7404
40.00	0.9875	0.7210	0.9466	0.8871E-02	0.4426E-01	5.879	0.3574E-06	0.7204
50.00	0.9754	0.7073	0.9522	0.7123E-02	0.4991E-01	6.620	0.5098E-06	0.7078
60.00	0.9713	0.6989	0.9574	0.5963E-02	0.5538E-01	7.312	0.6817E-06	0.6981
80.00	0.9710	0.6891	0.9657	0.4508E-02	0.6584E-01	8.593	0.1081E-05	0.6838
100.0	0.9735	0.6837	0.9717	0.3628E-02	0.7575E-01	9.781	0.1552E-05	0.6738
120.0	0.9764	0.6802	0.9761	0.3037E-02	0.8518E-01	10.91	0.2089E-05	0.6669
140.0	0.9789	0.6779	0.9795	0.2612E-02	0.9423E-01	12.00	0.2689E-05	0.6623
160.0	0.9811	0.6762	0.9821	0.2291E-02	0.1029	13.06	0.3351E-05	0.6594
180.0	0.9830	0.6750	0.9841	0.2041E-02	0.1113	14.09	0.4071E-05	0.6576
200.0	0.9846	0.6740	0.9858	0.1840E-02	0.1195	15.14	0.4848E-05	0.6581
220.0	0.9859	0.6732	0.9872	0.1675E-02	0.1274	16.16	0.5680E-05	0.6584
240.0	0.9871	0.6725	0.9884	0.1537E-02	0.1352	17.15	0.6565E-05	0.6587
260.0	0.9881	0.6720	0.9893	0.1420E-02	0.1427	18.11	0.7503E-05	0.6588
280.0	0.9890	0.6716	0.9902	0.1320E-02	0.1501	19.05	0.8492E-05	0.6590
300.0	0.9897	0.6712	0.9909	0.1233E-02	0.1574	19.97	0.9530E-05	0.6590
350.0	0.9913	0.6704	0.9924	0.1058E-02	0.1749	22.20	0.1234E-04	0.6592
400.0	0.9925	0.6699	0.9934	0.9267E-03	0.1917	24.34	0.1544E-04	0.6592
500.0	0.9941	0.6692	0.9949	0.7424E-03	0.2236	28.39	0.2248E-04	0.6592
600.0	0.9952	0.6687	0.9959	0.6192E-03	0.2536	32.20	0.3057E-04	0.6592
700.0	0.9960	0.6684	0.9966	0.5311E-03	0.2822	35.83	0.3966E-04	0.6592
800.0	0.9966	0.6681	0.9971	0.4650E-03	0.3097	39.31	0.4970E-04	0.6591
900.0	0.9970	0.6679	0.9974	0.4134E-03	0.3361	42.67	0.6067E-04	0.6591
1000.	0.9974	0.6678	0.9977	0.3722E-03	0.3617	45.91	0.7252E-04	0.6590
1100.	0.9976	0.6677	0.9980	0.3384E-03	0.3865	49.06	0.8523E-04	0.6590
1200.	0.9979	0.6676	0.9982	0.3103E-03	0.4107	52.13	0.9877E-04	0.6590
1300.	0.9981	0.6675	0.9983	0.2865E-03	0.4343	55.12	0.1131E-03	0.6590
1400.	0.9982	0.6674	0.9985	0.2660E-03	0.4574	58.05	0.1283E-03	0.6590
1500.	0.9984	0.6674	0.9986	0.2483E-03	0.4800	60.91	0.1442E-03	0.6590

PRESSURE = 2.200 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C _V [J/g*K]	C _P [J/g*K]	VSOUND [m/s]
0.8000	170.0	7.785	0.9229	13.86	0.9250E-02	0.7592E-01	0.7597E-01	347.7
1.000	170.1	6.227	0.9524	13.89	0.3787E-01	0.2063	0.2068	348.8
1.200	170.2	5.186	1.029	13.96	0.1000	0.5244	0.5271	350.2
1.400	170.4	4.439	1.211	14.12	0.2254	1.172	1.189	350.9
1.600	170.9	3.872	1.601	14.47	0.4573	2.349	2.444	348.8
1.800	172.1	3.418	2.399	15.18	0.8723	4.502	5.006	341.1
1.802	172.2	3.415	2.409	15.19	0.8769	4.528	5.039	341.0
1.892	173.2	3.233	3.049	15.75	1.181	6.768	8.251	334.0
1.901	173.4	3.214	3.142	15.83	1.224	7.964	10.34	332.6
3.1.903	173.4	3.210	3.169	15.86	1.237	4.984	5.574	334.3
2.1.912	173.4	3.194	3.208	15.89	1.255	3.107	3.210	336.4
1.2.002	173.5	3.049	3.400	16.08	1.351	1.651	1.653	343.0
2.2.002	173.2	2.779	3.666	16.37	1.488	1.328	1.364	350.3
2.4.00	172.7	2.555	3.901	16.64	1.606	1.428	1.490	353.2
2.7.00	171.9	2.282	4.305	17.11	1.793	1.358	1.439	357.0
3.0.00	171.0	2.065	4.685	17.55	1.950	1.439	1.558	357.3
3.3.00	170.0	1.888	5.118	18.06	2.112	1.670	1.850	355.3
3.6.00	168.8	1.743	5.622	18.66	2.285	1.863	2.115	353.0
3.9.00	167.4	1.622	6.185	19.33	2.463	2.000	2.335	350.9
4.2.00	165.9	1.520	6.794	20.06	2.643	2.094	2.523	349.0
4.5.00	164.3	1.433	7.444	20.84	2.823	2.163	2.694	347.1
4.8.00	162.5	1.358	8.129	21.67	3.002	2.217	2.859	345.1
5.0.00	161.2	1.314	8.606	22.25	3.121	2.248	2.968	343.6
5.1.00	160.5	1.294	8.850	22.55	3.180	2.263	3.024	342.8
5.3.00	159.2	1.255	9.349	23.17	3.299	2.292	3.135	341.2
5.5.00	157.8	1.220	9.865	23.81	3.417	2.320	3.248	339.5
6.0.00	154.1	1.146	11.22	25.50	3.712	2.389	3.542	334.5
6.5.00	150.0	1.086	12.69	27.35	4.008	2.456	3.851	328.6
7.0.00	145.7	1.039	14.26	29.36	4.305	2.523	4.174	322.1
8.0.00	136.2	0.9717	17.72	33.87	4.906	2.649	4.848	307.7
9.0.00	125.9	0.9345	21.58	39.06	5.516	2.761	5.523	293.3
10.00	115.1	0.9198	25.78	44.89	6.130	2.857	6.114	281.1
12.00	94.70	0.9320	34.63	57.86	7.312	3.004	6.727	268.8
15.00	72.16	0.9785	47.57	78.06	8.814	3.124	6.639	273.6
20.00	51.39	1.030	67.17	110.0	10.65	3.184	6.147	299.6
25.00	40.27	1.052	85.22	139.9	11.99	3.191	5.830	327.5
30.00	33.32	1.059	102.5	168.5	13.03	3.187	5.641	353.7
40.00	24.99	1.060	135.7	223.8	14.63	3.173	5.443	400.7
50.00	20.09	1.055	168.2	277.7	15.83	3.161	5.348	442.2
60.00	16.83	1.049	200.2	330.9	16.80	3.152	5.286	480.0
80.00	12.74	1.039	263.5	436.2	18.31	3.141	5.244	547.3
100.0	10.26	1.032	326.4	540.8	19.48	3.135	5.221	607.0
120.0	8.584	1.027	389.1	645.1	20.43	3.131	5.209	661.4
140.0	7.394	1.023	451.7	749.2	21.23	3.128	5.202	711.5
160.0	6.489	1.020	514.2	853.2	21.93	3.126	5.198	758.4
180.0	5.781	1.018	576.6	957.2	22.54	3.124	5.196	802.6
200.0	5.213	1.016	639.0	1061.	23.09	3.123	5.194	844.4
220.0	4.747	1.014	701.4	1165.	23.58	3.122	5.193	884.3
240.0	4.357	1.013	763.8	1269.	24.04	3.121	5.193	922.5
260.0	4.026	1.012	826.2	1373.	24.45	3.121	5.192	959.1
280.0	3.742	1.011	888.5	1476.	24.84	3.120	5.192	994.5
300.0	3.495	1.010	950.9	1580.	25.19	3.120	5.191	1029.
350.0	3.001	1.008	1107.	1840.	25.99	3.119	5.191	1109.
400.0	2.629	1.007	1263.	2099.	26.69	3.118	5.191	1185.
500.0	2.106	1.006	1574.	2619.	27.85	3.118	5.191	1322.
600.0	1.757	1.005	1886.	3138.	28.79	3.117	5.191	1447.
700.0	1.507	1.004	2197.	3657.	29.59	3.117	5.192	1562.
800.0	1.320	1.003	2509.	4176.	30.29	3.117	5.192	1669.
900.0	1.173	1.003	2820.	4695.	30.90	3.117	5.192	1770.
1000.	1.056	1.002	3132.	5214.	31.44	3.117	5.192	1865.
1100.	0.9607	1.002	3444.	5734.	31.94	3.116	5.192	1955.
1200.	0.8808	1.002	3755.	6253.	32.39	3.116	5.192	2042.
1300.	0.8132	1.002	4067.	6772.	32.81	3.116	5.192	2125.
1400.	0.7552	1.002	4378.	7291.	33.19	3.116	5.192	2205.
1500.	0.7050	1.002	4690.	7811.	33.55	3.116	5.192	2282.

PRESSURE = 2.200 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.6075E-03	-1.208	0.1071	0.6722E-01				
1.000	-0.1947E-02	-1.146	0.1065	0.6724E-01				
1.200	-0.5126E-02	-0.9941	0.1059	0.6728E-01				
1.400	-0.1389E-01	-1.027	0.1063	0.6737E-01				
1.600	-0.3597E-01	-1.119	0.1101	0.6759E-01				
1.800	-0.8309E-01	-1.202	0.1221	0.6807E-01				
1.802	-0.8390E-01	-1.203	0.1223	0.6807E-01				
1.892	-0.1751	-1.251	0.1388	0.6849E-01				
1.901	-0.2304	-1.297	0.1490	0.6856E-01				
1.903	-0.1060	-1.117	0.1270	0.6858E-01				
1.912	-0.4227E-01	-0.7795	0.1158	0.6860E-01				
2.002	0.6089E-02	0.2166	0.1079	0.6863E-01				
2.200	0.2590E-01	1.059	0.1063	0.6851E-01				
2.400	0.3521E-01	1.228	0.1065	0.6831E-01				
2.700	0.4255E-01	1.396	0.1064	0.6796E-01				
3.000	0.5535E-01	1.511	0.1092	0.6761E-01				
3.300	0.7217E-01	1.492	0.1136	0.6719E-01				
3.600	0.9088E-01	1.487	0.1187	0.6671E-01	0.2433E-01	7.057	0.6815E-07	0.6136
3.900	0.1113	1.506	0.1246	0.6616E-01	0.2557E-01	6.838	0.6541E-07	0.6244
4.200	0.1335	1.534	0.1312	0.6555E-01	0.2668E-01	6.644	0.6375E-07	0.6281
4.500	0.1573	1.563	0.1385	0.6489E-01	0.2767E-01	6.465	0.6253E-07	0.6295
4.800	0.1828	1.586	0.1467	0.6417E-01	0.2853E-01	6.298	0.6144E-07	0.6311
5.000	0.2007	1.597	0.1526	0.6366E-01	0.2904E-01	6.193	0.6070E-07	0.6329
5.100	0.2100	1.600	0.1558	0.6339E-01	0.2928E-01	6.141	0.6032E-07	0.6342
5.300	0.2291	1.605	0.1624	0.6282E-01	0.2971E-01	6.040	0.5954E-07	0.6373
5.500	0.2491	1.607	0.1694	0.6229E-01	0.3010E-01	5.942	0.5872E-07	0.6413
6.000	0.3029	1.594	0.1893	0.6079E-01	0.3086E-01	5.709	0.5656E-07	0.6552
6.500	0.3627	1.565	0.2129	0.5916E-01	0.3138E-01	5.491	0.5432E-07	0.6738
7.000	0.4292	1.524	0.2408	0.5743E-01	0.3168E-01	5.286	0.5211E-07	0.6964
8.000	0.5831	1.424	0.3121	0.5364E-01	0.3180E-01	4.921	0.4814E-07	0.7502
9.000	0.7604	1.316	0.4063	0.4952E-01	0.3150E-01	4.813	0.4529E-07	0.8089
10.00	0.9392	1.214	0.5175	0.4522E-01	0.3107E-01	4.370	0.4413E-07	0.8602
12.00	1.177	1.053	0.7201	0.3710E-01	0.3054E-01	4.086	0.4794E-07	0.9000
15.00	1.224	0.9198	0.8655	0.2819E-01	0.3107E-01	4.032	0.6486E-07	0.8615
20.00	1.129	0.8243	0.9209	0.2003E-01	0.3341E-01	4.318	0.1058E-06	0.7944
25.00	1.060	0.7799	0.9305	0.1568E-01	0.3618E-01	4.716	0.1541E-06	0.7600
30.00	1.021	0.7544	0.9344	0.1296E-01	0.3903E-01	5.128	0.2076E-06	0.7411
40.00	0.9852	0.7264	0.9410	0.9708E-02	0.4473E-01	5.919	0.3289E-06	0.7203
50.00	0.9726	0.7114	0.9475	0.7800E-02	0.5030E-01	6.655	0.4683E-06	0.7076
60.00	0.9684	0.7021	0.9533	0.6533E-02	0.5573E-01	7.344	0.6252E-06	0.6980
80.00	0.9682	0.6913	0.9624	0.4943E-02	0.6613E-01	8.621	0.9898E-06	0.6837
100.0	0.9710	0.6854	0.9690	0.3980E-02	0.7599E-01	9.806	0.1418E-05	0.6737
120.0	0.9741	0.6816	0.9738	0.3333E-02	0.8540E-01	10.93	0.1908E-05	0.6668
140.0	0.9769	0.6790	0.9775	0.2867E-02	0.9442E-01	12.02	0.2454E-05	0.6622
160.0	0.9793	0.6772	0.9803	0.2516E-02	0.1031	13.08	0.3057E-05	0.6592
180.0	0.9813	0.6758	0.9826	0.2241E-02	0.1115	14.11	0.3712E-05	0.6574
200.0	0.9830	0.6747	0.9844	0.2021E-02	0.1197	15.16	0.4419E-05	0.6579
220.0	0.9845	0.6738	0.9859	0.1840E-02	0.1276	16.17	0.5176E-05	0.6582
240.0	0.9858	0.6731	0.9872	0.1669E-02	0.1353	17.16	0.5982E-05	0.6584
260.0	0.9869	0.6726	0.9883	0.1560E-02	0.1429	18.12	0.6835E-05	0.6585
280.0	0.9879	0.6721	0.9892	0.1450E-02	0.1503	19.06	0.7735E-05	0.6586
300.0	0.9887	0.6716	0.9900	0.1355E-02	0.1575	19.98	0.8679E-05	0.6587
350.0	0.9904	0.6708	0.9916	0.1163E-02	0.1750	22.21	0.1123E-04	0.6587
400.0	0.9917	0.6702	0.9928	0.1019E-02	0.1918	24.34	0.1406E-04	0.6587
500.0	0.9935	0.6694	0.9944	0.8162E-03	0.2237	28.38	0.2046E-04	0.6587
600.0	0.9948	0.6689	0.9955	0.6809E-03	0.2537	32.19	0.2781E-04	0.6586
700.0	0.9956	0.6685	0.9962	0.5840E-03	0.2823	35.81	0.3608E-04	0.6585
800.0	0.9962	0.6683	0.9968	0.5113E-03	0.3098	39.29	0.4522E-04	0.6584
900.0	0.9967	0.6681	0.9972	0.4547E-03	0.3362	42.64	0.5519E-04	0.6584
1000.	0.9971	0.6679	0.9975	0.4093E-03	0.3618	45.88	0.6596E-04	0.6583
1100.	0.9974	0.6678	0.9978	0.3722E-03	0.3867	49.02	0.7752E-04	0.6583
1200.	0.9977	0.6677	0.9980	0.3413E-03	0.4108	52.09	0.8883E-04	0.6583
1300.	0.9979	0.6676	0.9982	0.3151E-03	0.4344	55.08	0.1029E-03	0.6583
1400.	0.9980	0.6675	0.9983	0.2926E-03	0.4575	58.00	0.1167E-03	0.6583
1500.	0.9982	0.6675	0.9984	0.2731E-03	0.4801	60.86	0.1312E-03	0.6583

PRESSURE = 2.400 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
0.8000	171.7	8.413	1.051	15.03	0.9995E-02	0.8138E-01	0.8140E-01	356.3
1.000	171.7	6.729	1.081	15.06	0.3998E-01	0.2150	0.2153	357.7
1.200	171.8	5.605	1.161	15.13	0.1050	0.5510	0.5538	358.6
1.400	172.0	4.797	1.354	15.31	0.2374	1.242	1.263	358.3
1.600	172.6	4.183	1.777	15.68	0.4854	2.500	2.629	354.9
1.771	173.8	3.756	2.487	16.30	0.8515	4.366	4.922	347.5
1.861	174.9	3.551	3.125	16.85	1.155	6.478	8.108	339.7
1.870	175.0	3.531	3.218	16.93	1.197	7.616	10.26	338.1
3	1.872	175.1	3.526	3.248	16.96	1.211	4.739	340.4
2	1.881	175.1	3.508	3.286	16.99	1.229	2.960	3.072
1	1.971	175.2	3.347	3.471	17.17	1.322	1.578	350.0
2.000	175.2	3.298	3.514	17.21	1.345	1.476	1.481	351.7
2.200	174.9	3.003	3.761	17.49	1.474	1.272	1.310	358.7
2.400	174.4	2.761	3.985	17.75	1.590	1.412	1.472	361.3
2.700	173.5	2.467	4.383	18.22	1.775	1.326	1.402	365.1
3.000	172.7	2.231	4.751	18.65	1.929	1.408	1.519	365.4
3.300	171.7	2.039	5.171	19.15	2.087	1.640	1.806	363.5
3.600	170.5	1.882	5.660	19.73	2.256	1.833	2.067	361.4
3.900	169.3	1.750	6.206	20.39	2.430	1.970	2.282	359.5
4.200	167.8	1.639	6.798	21.10	2.606	2.066	2.466	357.8
4.500	166.3	1.544	7.428	21.86	2.782	2.136	2.633	356.1
4.800	164.6	1.463	8.093	22.68	2.957	2.192	2.793	354.3
5.000	163.4	1.415	8.555	23.25	3.073	2.224	2.898	353.0
5.100	162.7	1.392	8.792	23.54	3.131	2.240	2.952	352.3
5.300	161.5	1.350	9.276	24.14	3.247	2.270	3.059	350.9
5.500	160.1	1.312	9.775	24.76	3.362	2.299	3.167	349.3
6.000	156.6	1.230	11.09	26.42	3.650	2.370	3.448	344.8
6.500	152.8	1.163	12.51	28.21	3.937	2.440	3.740	339.4
7.000	148.7	1.110	14.02	30.16	4.225	2.508	4.042	333.4
8.000	139.9	1.032	17.35	34.51	4.805	2.637	4.666	320.1
9.000	130.3	0.9853	21.07	39.49	5.391	2.751	5.290	306.4
10.00	120.2	0.9611	25.11	45.07	5.979	2.848	5.855	294.2
12.00	100.6	0.9572	33.73	57.59	7.118	2.995	6.550	279.7
15.00	77.68	0.9915	46.62	77.51	8.600	3.120	6.614	280.9
20.00	55.64	1.038	66.38	109.5	10.44	3.187	6.183	304.2
25.00	43.65	1.059	84.59	139.6	11.79	3.197	5.866	331.1
30.00	36.13	1.066	102.0	168.4	12.84	3.192	5.671	356.8
40.00	27.11	1.065	135.4	223.9	14.44	3.177	5.462	403.3
50.00	21.81	1.060	167.9	278.0	15.64	3.165	5.360	444.6
60.00	18.28	1.053	200.0	331.3	16.62	3.155	5.304	482.2
80.00	13.85	1.043	263.4	436.7	18.13	3.143	5.248	549.2
100.0	11.16	1.035	326.4	541.4	19.30	3.136	5.223	608.7
120.0	9.353	1.029	389.1	645.7	20.25	3.132	5.210	662.9
140.0	8.050	1.025	451.7	749.8	21.05	3.129	5.203	712.9
160.0	7.066	1.022	514.2	853.9	21.75	3.126	5.199	759.7
180.0	6.297	1.019	576.7	957.8	22.36	3.125	5.196	803.7
200.0	5.679	1.017	639.1	1062.	22.91	3.124	5.194	845.5
220.0	5.171	1.016	701.5	1166.	23.40	3.123	5.193	885.4
240.0	4.747	1.014	763.9	1269.	23.85	3.122	5.192	923.5
260.0	4.387	1.013	826.2	1373.	24.27	3.121	5.192	960.1
280.0	4.078	1.012	888.6	1477.	24.66	3.121	5.192	995.4
300.0	3.809	1.011	950.9	1581.	25.01	3.120	5.191	1029.
350.0	3.271	1.009	1107.	1841.	25.81	3.119	5.191	1110.
400.0	2.866	1.008	1263.	2100.	26.51	3.119	5.191	1185.
500.0	2.297	1.006	1574.	2619.	27.66	3.118	5.191	1323.
600.0	1.916	1.005	1886.	3138.	28.61	3.117	5.191	1448.
700.0	1.644	1.004	2197.	3657.	29.41	3.117	5.191	1563.
800.0	1.439	1.004	2509.	4177.	30.10	3.117	5.192	1670.
900.0	1.280	1.003	2820.	4696.	30.72	3.117	5.192	1770.
1000.	1.152	1.003	3132.	5215.	31.26	3.117	5.192	1865.
1100.	1.048	1.002	3444.	5734.	31.76	3.116	5.192	1856.
1200.	0.9607	1.002	3755.	6253.	32.21	3.116	5.192	2042.
1300.	0.8870	1.002	4067.	6773.	32.63	3.116	5.192	2125.
1400.	0.8238	1.002	4378.	7292.	33.01	3.116	5.192	2205.
1500.	0.7689	1.002	4690.	7811.	33.37	3.116	5.192	2282.

PRESSURE = 2.400 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_p} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
0.8000	-0.3923E-03	-0.7648	0.1102	0.6788E-01				
1.000	-0.1660E-02	-0.9852	0.1094	0.6789E-01				
1.200	-0.5078E-02	-0.9830	0.1092	0.6793E-01				
1.400	-0.1520E-01	-1.104	0.1105	0.6803E-01				
1.600	-0.4141E-01	-1.240	0.1160	0.6827E-01				
1.771	-0.8586E-01	-1.328	0.1290	0.6872E-01				
1.861	-0.1814	-1.387	0.1489	0.6917E-01				
1.870	-0.2416	-1.439	0.1617	0.6923E-01				
1.872	-0.1081	-1.244	0.1342	0.6925E-01				
1.881	-0.4316E-01	-0.8775	0.1211	0.6927E-01				
1.971	0.5026E-02	0.1979	0.1119	0.6930E-01				
2.000	0.9634E-02	0.4021	0.1112	0.6930E-01				
2.200	0.2585E-01	1.154	0.1099	0.6917E-01				
2.400	0.3394E-01	1.254	0.1099	0.6897E-01				
2.700	0.4014E-01	1.414	0.1096	0.6861E-01				
3.000	0.5194E-01	1.522	0.1123	0.6828E-01				
3.300	0.6769E-01	1.501	0.1166	0.6788E-01				
3.600	0.8525E-01	1.497	0.1215	0.6742E-01	0.2473E-01	7.387	0.7015E-07	0.6174
3.900	0.1045	1.517	0.1271	0.6690E-01	0.2601E-01	7.141	0.6734E-07	0.6266
4.200	0.1252	1.547	0.1334	0.6633E-01	0.2717E-01	6.927	0.6565E-07	0.6287
4.500	0.1474	1.578	0.1403	0.6569E-01	0.2821E-01	6.733	0.6443E-07	0.6286
4.800	0.1711	1.603	0.1481	0.6501E-01	0.2911E-01	6.555	0.6335E-07	0.6288
5.000	0.1878	1.614	0.1536	0.6453E-01	0.2965E-01	6.442	0.6262E-07	0.6298
5.100	0.1963	1.619	0.1566	0.6428E-01	0.2990E-01	6.388	0.6225E-07	0.6306
5.300	0.2139	1.625	0.1627	0.6376E-01	0.3036E-01	6.282	0.6148E-07	0.6328
5.500	0.2323	1.627	0.1693	0.6323E-01	0.3078E-01	6.179	0.6068E-07	0.6360
6.000	0.2813	1.616	0.1876	0.6181E-01	0.3161E-01	5.936	0.5855E-07	0.6474
6.500	0.3352	1.589	0.2089	0.6028E-01	0.3220E-01	5.711	0.5635E-07	0.6633
7.000	0.3944	1.550	0.2339	0.5865E-01	0.3257E-01	5.502	0.5417E-07	0.6828
8.000	0.5295	1.453	0.2963	0.5510E-01	0.3280E-01	5.128	0.5024E-07	0.7296
9.000	0.6842	1.349	0.3774	0.5126E-01	0.3259E-01	4.815	0.4729E-07	0.7815
10.00	0.8452	1.250	0.4742	0.4724E-01	0.3220E-01	4.563	0.4575E-07	0.8298
12.00	1.092	1.087	0.6668	0.3944E-01	0.3159E-01	4.249	0.4795E-07	0.8809
15.00	1.186	0.9437	0.8298	0.3037E-01	0.3192E-01	4.147	0.6213E-07	0.8592
20.00	1.121	0.8387	0.9044	0.2170E-01	0.3410E-01	4.393	0.9911E-07	0.7967
25.00	1.057	0.7902	0.9204	0.1700E-01	0.3678E-01	4.774	0.1436E-06	0.7614
30.00	1.019	0.7623	0.9268	0.1406E-01	0.3957E-01	5.176	0.1931E-06	0.7418
40.00	0.9827	0.7317	0.9354	0.1054E-01	0.4518E-01	5.959	0.3051E-06	0.7203
50.00	0.9698	0.7154	0.9428	0.8470E-02	0.5070E-01	6.680	0.4337E-06	0.7074
60.00	0.9655	0.7053	0.9492	0.7098E-02	0.5608E-01	7.377	0.5783E-06	0.6978
80.00	0.9654	0.6936	0.9591	0.5375E-02	0.6641E-01	8.650	0.9136E-06	0.6836
100.0	0.9685	0.6871	0.9663	0.4330E-02	0.7623E-01	9.832	0.1307E-05	0.6736
120.0	0.9718	0.6830	0.9715	0.3628E-02	0.8561E-01	10.95	0.1757E-05	0.6667
140.0	0.9748	0.6802	0.9755	0.3122E-02	0.9461E-01	12.04	0.2259E-05	0.6620
160.0	0.9774	0.6782	0.9786	0.2740E-02	0.1033	13.09	0.2812E-05	0.6591
180.0	0.9796	0.6766	0.9810	0.2441E-02	0.1117	14.13	0.3413E-05	0.6573
200.0	0.9815	0.6754	0.9830	0.2202E-02	0.1198	15.17	0.4062E-05	0.6576
220.0	0.9831	0.6745	0.9847	0.2005E-02	0.1277	16.18	0.4757E-05	0.6579
240.0	0.9845	0.6737	0.9861	0.1840E-02	0.1355	17.17	0.5486E-05	0.6581
260.0	0.9857	0.6731	0.9872	0.1701E-02	0.1430	18.13	0.6279E-05	0.6582
280.0	0.9868	0.6726	0.9882	0.1581E-02	0.1504	19.07	0.7104E-05	0.6582
300.0	0.9877	0.6721	0.9891	0.1476E-02	0.1576	19.99	0.7970E-05	0.6583
350.0	0.9896	0.6712	0.9908	0.1268E-02	0.1751	22.21	0.1031E-04	0.6583
400.0	0.9910	0.6705	0.9921	0.1111E-02	0.1919	24.34	0.1290E-04	0.6582
500.0	0.9930	0.6697	0.9939	0.8900E-03	0.2238	28.37	0.1877E-04	0.6581
600.0	0.9943	0.6691	0.9951	0.7425E-03	0.2538	32.17	0.2552E-04	0.6580
700.0	0.9952	0.6687	0.9959	0.6369E-03	0.2825	35.79	0.3310E-04	0.6578
800.0	0.9959	0.6684	0.9965	0.5576E-03	0.3099	39.26	0.4148E-04	0.6578
900.0	0.9964	0.6682	0.9969	0.4959E-03	0.3363	42.61	0.5062E-04	0.6577
1000.	0.9968	0.6680	0.9973	0.4465E-03	0.3619	45.84	0.6050E-04	0.6576
1100.	0.9972	0.6679	0.9976	0.4060E-03	0.3868	48.98	0.7109E-04	0.6576
1200.	0.9974	0.6678	0.9978	0.3722E-03	0.4109	52.04	0.8238E-04	0.6576
1300.	0.9977	0.6677	0.9980	0.3437E-03	0.4345	55.03	0.9435E-04	0.6576
1400.	0.9979	0.6676	0.9982	0.3192E-03	0.4576	57.95	0.1070E-03	0.6576
1500.	0.9980	0.6675	0.9983	0.2979E-03	0.4802	60.81	0.1203E-03	0.6575

PRESSURE = 2.600 [MPa]								
	TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K] VSOUND [m/s]
M	1.391	173.6	5.184	1.490	16.47	0.2423	1.277	1.303 366.0
	1.400	173.6	5.150	1.503	16.48	0.2508	1.321	1.349 365.9
	1.600	174.3	4.489	1.966	16.88	0.5176	2.670	2.849 360.8
1	1.738	175.3	4.108	2.567	17.40	0.8252	4.206	4.807 353.7
2	1.828	176.5	3.880	3.205	17.94	1.128	6.207	8.015 344.8
3	1.837	176.6	3.857	3.300	18.02	1.171	7.328	10.36 343.0
3	1.839	176.7	3.852	3.331	18.05	1.186	4.489	5.164 345.7
2	1.848	176.7	3.832	3.368	18.08	1.204	2.818	2.939 348.3
1	1.938	176.8	3.652	3.546	18.25	1.294	1.508	1.509 356.5
	2.000	176.8	3.540	3.630	18.34	1.339	1.343	1.353 360.1
	2.200	176.4	3.225	3.858	18.59	1.461	1.226	1.265 366.7
	2.400	175.9	2.965	4.074	18.85	1.574	1.399	1.458 369.1
	2.700	175.0	2.649	4.466	19.32	1.759	1.298	1.368 373.0
	3.000	174.2	2.395	4.824	19.75	1.910	1.379	1.483 373.2
	3.300	173.3	2.189	5.231	20.23	2.064	1.610	1.765 371.4
	3.600	172.2	2.018	5.705	20.80	2.229	1.804	2.022 369.5
	3.900	171.0	1.877	6.238	21.44	2.400	1.942	2.234 367.7
	4.200	169.6	1.757	6.813	22.14	2.572	2.039	2.414 366.2
	4.500	168.1	1.654	7.426	22.89	2.744	2.110	2.577 364.7
	4.800	166.5	1.566	8.072	23.69	2.915	2.167	2.732 363.1
	5.000	165.4	1.514	8.521	24.24	3.029	2.201	2.835 361.9
	5.100	164.8	1.489	8.751	24.53	3.086	2.217	2.887 361.3
	5.300	163.6	1.444	9.221	25.12	3.199	2.248	2.990 360.0
	5.500	162.3	1.402	9.706	25.72	3.311	2.278	3.095 358.6
	6.000	159.0	1.312	10.98	27.34	3.592	2.352	3.365 354.5
	6.500	155.4	1.240	12.35	29.09	3.872	2.424	3.644 349.6
	7.000	151.5	1.180	13.82	30.98	4.153	2.494	3.930 344.0
	8.000	143.2	1.093	17.05	35.21	4.716	2.626	4.516 331.5
	9.000	134.2	1.037	20.64	40.02	5.282	2.742	5.098 318.5
	10.00	124.7	1.004	24.54	45.39	5.847	2.840	5.635 306.5
	12.00	105.9	0.9849	32.94	57.49	6.948	2.988	6.373 290.6
	15.00	82.90	1.007	45.74	77.10	8.406	3.117	6.570 288.5
	20.00	59.77	1.047	65.61	109.1	10.25	3.190	6.210 309.0
	25.00	46.97	1.066	83.97	139.3	11.60	3.201	5.899 334.8
	30.00	38.90	1.073	101.4	168.3	12.66	3.197	5.698 360.0
	40.00	29.21	1.071	135.0	224.0	14.26	3.182	5.480 406.0
	50.00	23.51	1.065	167.7	278.2	15.47	3.168	5.372 447.0
	60.00	19.72	1.058	199.8	331.6	16.45	3.158	5.312 484.4
	80.00	14.95	1.046	263.3	437.2	17.96	3.146	5.253 551.1
	100.0	12.06	1.038	326.3	541.9	19.13	3.138	5.226 610.4
	120.0	10.11	1.032	389.1	646.3	20.08	3.133	5.212 664.4
	140.0	8.703	1.027	451.7	750.5	20.89	3.130	5.204 714.3
	160.0	7.642	1.024	514.3	854.5	21.58	3.127	5.199 761.0
	180.0	6.811	1.021	576.7	958.4	22.19	3.126	5.196 804.9
	200.0	6.144	1.019	639.2	1062.	22.74	3.124	5.195 846.6
	220.0	5.595	1.017	701.6	1166.	23.24	3.123	5.193 886.4
	240.0	5.137	1.015	763.9	1270.	23.69	3.122	5.192 924.5
	260.0	4.748	1.014	826.3	1374.	24.10	3.122	5.192 961.0
	280.0	4.413	1.013	888.7	1478.	24.49	3.121	5.191 996.3
	300.0	4.123	1.012	951.0	1582.	24.85	3.120	5.191 1030.
	350.0	3.541	1.010	1107.	1841.	25.65	3.120	5.191 1111.
	400.0	3.103	1.009	1263.	2101.	26.34	3.119	5.191 1186.
	500.0	2.487	1.007	1574.	2620.	27.50	3.118	5.191 1324.
	600.0	2.075	1.005	1886.	3139.	28.45	3.118	5.191 1448.
	700.0	1.780	1.004	2197.	3658.	29.25	3.117	5.191 1563.
	800.0	1.559	1.004	2509.	4177.	29.94	3.117	5.192 1670.
	900.0	1.386	1.003	2821.	4696.	30.55	3.117	5.192 1771.
	1000.	1.248	1.003	3132.	5215.	31.10	3.117	5.192 1866.
	1100.	1.135	1.003	3444.	5735.	31.59	3.117	5.192 1956.
	1200.	1.041	1.002	3755.	6254.	32.04	3.116	5.192 2043.
	1300.	0.9607	1.002	4067.	6773.	32.46	3.116	5.192 2126.
	1400.	0.8923	1.002	4378.	7292.	32.84	3.116	5.192 2206.
	1500.	0.8329	1.002	4690.	7812.	33.20	3.116	5.192 2283.

PRESSURE = 2.600 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
1.391	-0.1641E-01	-1.214	0.1140	0.6865E-01				
1.400	-0.1723E-01	-1.222	0.1142	0.6865E-01				
1.600	-0.4837E-01	-1.382	0.1222	0.6893E-01				
1.738	-0.9767E-01	-1.463	0.1355	0.6934E-01				
1.828	-0.1894	-1.538	0.1599	0.6981E-01				
1.837	-0.2587	-1.599	0.1768	0.6989E-01				
1.839	-0.1094	-1.376	0.1416	0.6990E-01				
1.848	-0.4378E-01	-0.9777	0.1265	0.6992E-01				
1.938	0.4254E-02	0.1848	0.1158	0.6996E-01				
2.000	0.1250E-01	0.5988	0.1143	0.6994E-01				
2.200	0.2581E-01	1.247	0.1131	0.6980E-01				
2.400	0.3287E-01	1.280	0.1130	0.6959E-01				
2.700	0.3801E-01	1.432	0.1126	0.6924E-01				
3.000	0.4895E-01	1.532	0.1152	0.6891E-01				
3.300	0.6374E-01	1.509	0.1192	0.6854E-01				
3.600	0.8030E-01	1.506	0.1240	0.6810E-01	0.2511E-01	7.720	0.7212E-07	0.6215
3.900	0.9842E-01	1.528	0.1293	0.6761E-01	0.2644E-01	7.447	0.6923E-07	0.6291
4.200	0.1180	1.560	0.1353	0.6706E-01	0.2765E-01	7.211	0.6751E-07	0.6297
4.500	0.1389	1.592	0.1420	0.6646E-01	0.2872E-01	7.002	0.6628E-07	0.6282
4.800	0.1610	1.619	0.1493	0.6580E-01	0.2967E-01	6.811	0.6520E-07	0.6272
5.000	0.1766	1.632	0.1546	0.6534E-01	0.3023E-01	6.691	0.6448E-07	0.6274
5.100	0.1845	1.636	0.1573	0.6511E-01	0.3050E-01	6.633	0.6411E-07	0.6278
5.300	0.2009	1.643	0.1631	0.6462E-01	0.3099E-01	6.521	0.6335E-07	0.6293
5.500	0.2179	1.646	0.1692	0.6411E-01	0.3143E-01	6.414	0.6255E-07	0.6317
6.000	0.2631	1.637	0.1862	0.6276E-01	0.3233E-01	6.160	0.6045E-07	0.6411
6.500	0.3123	1.611	0.2059	0.6131E-01	0.3298E-01	5.927	0.5826E-07	0.6549
7.000	0.3658	1.573	0.2285	0.5976E-01	0.3341E-01	5.712	0.5610E-07	0.6720
8.000	0.4865	1.480	0.2842	0.5642E-01	0.3375E-01	5.329	0.5219E-07	0.7132
9.000	0.6235	1.379	0.3552	0.5281E-01	0.3363E-01	5.009	0.4916E-07	0.7594
10.00	0.7684	1.281	0.4404	0.4903E-01	0.3328E-01	4.749	0.4736E-07	0.8042
12.00	1.013	1.118	0.6200	0.4154E-01	0.3262E-01	4.409	0.4834E-07	0.8613
15.00	1.145	0.9671	0.7944	0.3243E-01	0.3276E-01	4.264	0.6014E-07	0.8551
20.00	1.110	0.8530	0.8870	0.2332E-01	0.3476E-01	4.469	0.9365E-07	0.7984
25.00	1.053	0.8003	0.9098	0.1830E-01	0.3737E-01	4.833	0.1349E-06	0.7628
30.00	1.016	0.7702	0.9189	0.1514E-01	0.4011E-01	5.226	0.1808E-06	0.7424
40.00	0.9800	0.7371	0.9298	0.1136E-01	0.4564E-01	5.999	0.2851E-06	0.7202
50.00	0.9669	0.7194	0.9381	0.9135E-02	0.5110E-01	6.726	0.4045E-06	0.7072
60.00	0.9625	0.7085	0.9451	0.7658E-02	0.5643E-01	7.409	0.5386E-06	0.6975
80.00	0.9627	0.6958	0.9559	0.5804E-02	0.6670E-01	8.678	0.8491E-06	0.6834
100.0	0.9659	0.6888	0.9636	0.4679E-02	0.7648E-01	9.857	0.1214E-05	0.6735
120.0	0.9695	0.6843	0.9692	0.3921E-02	0.8583E-01	10.98	0.1629E-05	0.6666
140.0	0.9728	0.6813	0.9735	0.3375E-02	0.9481E-01	12.06	0.2093E-05	0.6619
160.0	0.9756	0.6791	0.9768	0.2963E-02	0.1035	13.11	0.2604E-05	0.6590
180.0	0.9780	0.6775	0.9795	0.2641E-02	0.1119	14.14	0.3160E-05	0.6571
200.0	0.9800	0.6762	0.9816	0.2382E-02	0.1200	15.19	0.3760E-05	0.6574
220.0	0.9818	0.6752	0.9834	0.2169E-02	0.1279	16.20	0.4402E-05	0.6576
240.0	0.9833	0.6743	0.9849	0.1991E-02	0.1356	17.18	0.5085E-05	0.6578
260.0	0.9846	0.6736	0.9862	0.1840E-02	0.1432	18.14	0.5808E-05	0.6578
280.0	0.9857	0.6730	0.9873	0.1711E-02	0.1505	19.08	0.6570E-05	0.6579
300.0	0.9867	0.6726	0.9882	0.1598E-02	0.1578	19.99	0.7371E-05	0.6579
350.0	0.9887	0.6716	0.9901	0.1372E-02	0.1753	22.21	0.9535E-05	0.6578
400.0	0.9902	0.6709	0.9915	0.1202E-02	0.1920	24.33	0.1192E-04	0.6577
500.0	0.9924	0.6699	0.9934	0.9637E-03	0.2239	28.36	0.1735E-04	0.6575
600.0	0.9938	0.6693	0.9947	0.8041E-03	0.2540	32.16	0.2358E-04	0.6573
700.0	0.9948	0.6689	0.9955	0.6898E-03	0.2826	35.77	0.3058E-04	0.6572
800.0	0.9956	0.6686	0.9962	0.6039E-03	0.3100	39.24	0.3831E-04	0.6571
900.0	0.9961	0.6683	0.9967	0.5371E-03	0.3364	42.58	0.4675E-04	0.6570
1000.	0.9966	0.6681	0.9970	0.4836E-03	0.3620	45.81	0.5587E-04	0.6569
1100.	0.9969	0.6680	0.9974	0.4397E-03	0.3869	48.95	0.6565E-04	0.6569
1200.	0.9972	0.6679	0.9976	0.4032E-03	0.4110	52.00	0.7608E-04	0.6569
1300.	0.9975	0.6678	0.9978	0.3722E-03	0.4346	54.99	0.8713E-04	0.6569
1400.	0.9977	0.6677	0.9980	0.3457E-03	0.4577	57.90	0.9879E-04	0.6569
1500.	0.9979	0.6676	0.9982	0.3227E-03	0.4803	60.76	0.1111E-03	0.6568

PRESSURE = 2.800 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
M 1.656	176.3	4.617	2.399	18.28	0.6741	3.438	3.854	363.8
1 1.705	176.8	4.473	2.647	18.49	0.7977	4.042	4.691	360.4
2 1.795	178.0	4.220	3.289	19.02	1.101	5.947	7.976	350.2
3 1.804	178.2	4.194	3.386	19.10	1.145	7.061	10.60	348.0
3 1.806	178.2	4.188	3.418	19.13	1.161	4.248	4.959	350.1
2 1.815	178.3	4.166	3.454	19.16	1.178	2.682	2.810	353.0
1 1.905	178.4	3.967	3.626	19.32	1.266	1.441	1.442	362.3
2.000	178.3	3.780	3.745	19.45	1.331	1.244	1.258	368.1
2.200	177.9	3.443	3.959	19.69	1.448	1.187	1.228	374.4
2.400	177.4	3.166	4.166	19.95	1.559	1.388	1.446	376.6
2.700	176.5	2.828	4.555	20.42	1.744	1.271	1.338	380.5
3.000	175.7	2.557	4.903	20.84	1.892	1.352	1.449	380.6
3.300	174.9	2.336	5.298	21.31	2.043	1.582	1.727	379.0
3.600	173.8	2.154	5.761	21.87	2.204	1.776	1.980	377.2
3.900	172.7	2.002	6.278	22.49	2.371	1.914	2.189	375.6
4.200	171.4	1.873	6.839	23.18	2.540	2.013	2.366	374.2
4.500	169.9	1.763	7.435	23.91	2.709	2.085	2.525	372.9
4.800	168.4	1.668	8.065	24.69	2.876	2.144	2.677	371.5
5.000	167.3	1.611	8.501	25.24	2.988	2.179	2.777	370.5
5.100	166.7	1.585	8.725	25.52	3.043	2.195	2.827	369.9
5.300	165.6	1.536	9.183	26.09	3.154	2.227	2.928	368.7
5.500	164.4	1.491	9.655	26.69	3.264	2.258	3.030	367.5
6.000	161.2	1.394	10.90	28.27	3.539	2.334	3.291	363.7
6.500	157.7	1.315	12.23	29.98	3.813	2.409	3.559	359.1
7.000	154.1	1.250	13.66	31.83	4.087	2.481	3.834	353.9
8.000	146.2	1.153	16.79	35.94	4.635	2.616	4.390	342.2
9.000	137.6	1.088	20.26	40.61	5.184	2.734	4.938	328.8
10.00	128.7	1.047	24.05	45.80	5.731	2.833	5.449	318.1
12.00	110.7	1.015	32.24	57.53	6.798	2.983	6.204	301.3
15.00	87.82	1.023	44.93	76.81	8.231	3.115	6.514	296.2
20.00	63.79	1.056	64.89	108.8	10.07	3.193	6.229	313.9
25.00	50.22	1.074	83.37	139.1	11.43	3.206	5.927	338.6
30.00	41.63	1.079	101.0	168.2	12.49	3.202	5.724	363.3
40.00	31.29	1.077	134.7	224.2	14.10	3.186	5.497	408.7
50.00	25.20	1.070	167.4	278.5	15.31	3.172	5.384	449.5
60.00	21.15	1.062	199.6	332.0	16.29	3.161	5.320	486.6
80.00	16.05	1.050	263.2	437.7	17.81	3.148	5.257	553.0
100.0	12.95	1.041	326.3	542.5	18.98	3.140	5.228	612.1
120.0	10.86	1.034	389.1	646.9	19.93	3.134	5.213	665.9
140.0	9.354	1.029	451.7	751.1	20.73	3.131	5.205	715.7
160.0	8.215	1.026	514.3	855.1	21.43	3.128	5.200	762.3
180.0	7.323	1.023	576.8	959.1	22.04	3.126	5.197	806.1
200.0	6.607	1.020	639.2	1063.	22.59	3.125	5.195	847.8
220.0	6.018	1.018	701.6	1167.	23.08	3.124	5.193	887.5
240.0	5.525	1.016	764.0	1271.	23.54	3.123	5.192	925.5
260.0	5.108	1.015	826.4	1375.	23.95	3.122	5.192	962.0
280.0	4.748	1.014	888.7	1478.	24.34	3.121	5.191	997.2
300.0	4.436	1.013	951.1	1582.	24.69	3.121	5.191	1031.
350.0	3.810	1.011	1107.	1842.	25.49	3.120	5.191	1112.
400.0	3.339	1.009	1263.	2101.	26.19	3.119	5.191	1187.
500.0	2.677	1.007	1574.	2620.	27.35	3.118	5.191	1324.
600.0	2.234	1.006	1886.	3139.	28.29	3.118	5.191	1449.
700.0	1.916	1.005	2198.	3659.	29.09	3.117	5.191	1564.
800.0	1.678	1.004	2509.	4178.	29.78	3.117	5.191	1671.
900.0	1.492	1.004	2821.	4697.	30.40	3.117	5.192	1771.
1000.	1.344	1.003	3132.	5216.	30.94	3.117	5.192	1866.
1100.	1.222	1.003	3444.	5735.	31.44	3.117	5.192	1957.
1200.	1.120	1.003	3755.	6254.	31.89	3.116	5.192	2043.
1300.	1.034	1.002	4067.	6774.	32.31	3.116	5.192	2126.
1400.	0.9608	1.002	4378.	7293.	32.69	3.116	5.192	2206.
1500.	0.8969	1.002	4690.	7812.	33.05	3.116	5.192	2283.

PRESSURE = 2.800 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
1.656	-0.7642E-01	-1.585	0.1345	0.6975E-01				
1.705	-0.9942E-01	-1.615	0.1415	0.6993E-01				
1.795	-0.1995	-1.710	0.1720	0.7043E-01				
1.804	-0.2814	-1.782	0.1948	0.7051E-01				
1.806	-0.1105	-1.513	0.1496	0.7053E-01				
1.815	-0.4413E-01	-1.078	0.1320	0.7055E-01				
1.905	0.3802E-02	0.1817	0.1196	0.7059E-01				
2.000	0.1477E-01	0.7954	0.1173	0.7055E-01				
2.200	0.2580E-01	1.339	0.1162	0.7041E-01				
2.400	0.3198E-01	1.307	0.1159	0.7020E-01				
2.700	0.3614E-01	1.449	0.1153	0.6984E-01				
3.000	0.4629E-01	1.543	0.1178	0.6952E-01				
3.300	0.6022E-01	1.518	0.1217	0.6917E-01				
3.600	0.7589E-01	1.515	0.1262	0.6875E-01	0.2549E-01	8.058	0.7406E-07	0.6259
3.900	0.9306E-01	1.538	0.1314	0.6828E-01	0.2686E-01	7.754	0.7108E-07	0.6318
4.200	0.1115	1.572	0.1371	0.6775E-01	0.2810E-01	7.497	0.6933E-07	0.6311
4.500	0.1313	1.606	0.1435	0.6718E-01	0.2922E-01	7.271	0.6809E-07	0.6284
4.800	0.1522	1.634	0.1505	0.6655E-01	0.3021E-01	7.066	0.6701E-07	0.6262
5.000	0.1667	1.648	0.1555	0.6611E-01	0.3080E-01	6.939	0.6629E-07	0.6257
5.100	0.1742	1.653	0.1581	0.6589E-01	0.3107E-01	6.878	0.6592E-07	0.6258
5.300	0.1896	1.661	0.1635	0.6542E-01	0.3159E-01	6.760	0.6515E-07	0.6266
5.500	0.2054	1.664	0.1693	0.6493E-01	0.3206E-01	6.647	0.6436E-07	0.6283
6.000	0.2474	1.657	0.1852	0.6364E-01	0.3302E-01	6.382	0.6226E-07	0.6361
6.500	0.2928	1.632	0.2034	0.6226E-01	0.3373E-01	6.140	0.6008E-07	0.6480
7.000	0.3418	1.595	0.2242	0.6079E-01	0.3421E-01	5.918	0.5793E-07	0.6631
8.000	0.4510	1.504	0.2746	0.5762E-01	0.3466E-01	5.525	0.5401E-07	0.6997
9.000	0.5740	1.405	0.3379	0.5420E-01	0.3461E-01	5.196	0.5093E-07	0.7412
10.00	0.7051	1.310	0.4135	0.5063E-01	0.3431E-01	4.928	0.4893E-07	0.7826
12.00	0.9410	1.147	0.5795	0.4346E-01	0.3363E-01	4.566	0.4897E-07	0.8422
15.00	1.102	0.9899	0.7600	0.3438E-01	0.3359E-01	4.381	0.5872E-07	0.8495
20.00	1.096	0.8673	0.8689	0.2490E-01	0.3542E-01	4.546	0.8913E-07	0.7996
25.00	1.047	0.8105	0.8988	0.1957E-01	0.3795E-01	4.892	0.1275E-06	0.7640
30.00	1.012	0.7780	0.9109	0.1621E-01	0.4064E-01	5.276	0.1705E-06	0.7431
40.00	0.9770	0.7424	0.9241	0.1217E-01	0.4609E-01	6.039	0.2680E-06	0.7202
50.00	0.9639	0.7234	0.9335	0.9792E-02	0.5149E-01	6.761	0.3795E-06	0.7070
60.00	0.9596	0.7117	0.9411	0.8214E-02	0.5678E-01	7.442	0.5046E-06	0.6973
80.00	0.8599	0.6980	0.9527	0.6230E-02	0.6699E-01	8.707	0.7939E-06	0.6833
100.0	0.9634	0.6905	0.9609	0.5025E-02	0.7572E-01	9.883	0.1133E-05	0.6734
120.0	0.9673	0.6857	0.9669	0.4213E-02	0.8604E-01	11.00	0.1520E-05	0.6665
140.0	0.9708	0.6824	0.9715	0.3628E-02	0.9500E-01	12.08	0.1951E-05	0.6618
160.0	0.9738	0.6801	0.9751	0.3186E-02	0.1036	13.13	0.2426E-05	0.6588
180.0	0.9764	0.6783	0.9780	0.2840E-02	0.1120	14.16	0.2843E-05	0.6569
200.0	0.9785	0.6769	0.9803	0.2562E-02	0.1201	15.20	0.3501E-05	0.6572
220.0	0.9804	0.6758	0.9822	0.2333E-02	0.1281	16.21	0.4097E-05	0.6574
240.0	0.9820	0.6749	0.9838	0.2142E-02	0.1358	17.19	0.4732E-05	0.6575
260.0	0.9834	0.6742	0.9851	0.1980E-02	0.1433	18.15	0.5404E-05	0.6575
280.0	0.9846	0.6735	0.9863	0.1841E-02	0.1507	19.08	0.6112E-05	0.6575
300.0	0.9857	0.6730	0.9873	0.1720E-02	0.1579	20.00	0.6856E-05	0.6575
350.0	0.9878	0.6720	0.9893	0.1477E-02	0.1754	22.21	0.8868E-05	0.6574
400.0	0.9895	0.6712	0.9908	0.1294E-02	0.1922	24.33	0.1109E-04	0.6572
500.0	0.9918	0.6702	0.9929	0.1037E-02	0.2240	28.35	0.1612E-04	0.6570
600.0	0.9933	0.6695	0.9942	0.8656E-03	0.2541	32.14	0.2191E-04	0.6567
700.0	0.9944	0.6690	0.9952	0.7426E-03	0.2827	35.75	0.2841E-04	0.6565
800.0	0.9952	0.6687	0.9959	0.6502E-03	0.3101	39.21	0.3560E-04	0.6564
900.0	0.9958	0.6685	0.9964	0.5783E-03	0.3365	42.55	0.4344E-04	0.6563
1000.	0.9963	0.6683	0.9968	0.5206E-03	0.3621	45.77	0.5191E-04	0.6563
1100.	0.9967	0.6681	0.9972	0.4735E-03	0.3870	48.91	0.6099E-04	0.6562
1200.	0.9970	0.6680	0.9974	0.4341E-03	0.4111	51.96	0.7068E-04	0.6562
1300.	0.9973	0.6679	0.9977	0.4008E-03	0.4347	54.94	0.8094E-04	0.6562
1400.	0.9975	0.6678	0.9978	0.3722E-03	0.4578	57.85	0.9177E-04	0.6562
1500.	0.9977	0.6677	0.9980	0.3475E-03	0.4804	60.71	0.1032E-03	0.6562

PRESSURE = 3.000 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	VSOUND [m/s]
M 1.762	179.5	4.565	3.398	20.11	1.085	5.822	8.313	356.0
3 1.769	179.7	4.544	3.474	20.17	1.119	6.696	10.70	354.1
3 1.771	179.7	4.538	3.509	20.20	1.135	4.048	4.808	353.4
2 1.780	179.8	4.513	3.545	20.23	1.152	2.556	2.689	356.7
1 1.870	179.9	4.294	3.709	20.39	1.238	1.378	1.379	367.5
2.000	179.8	4.017	3.860	20.55	1.322	1.168	1.187	375.8
2.200	179.4	3.659	4.061	20.78	1.435	1.153	1.196	381.6
2.400	178.8	3.365	4.262	21.04	1.544	1.378	1.436	383.8
2.700	177.9	3.006	4.647	21.51	1.730	1.247	1.310	387.8
3.000	177.2	2.717	4.987	21.92	1.875	1.327	1.418	387.8
3.300	176.3	2.482	5.372	22.38	2.022	1.556	1.691	386.3
3.600	175.4	2.288	5.822	22.93	2.181	1.749	1.940	384.6
3.900	174.2	2.125	6.326	23.54	2.344	1.888	2.146	383.2
4.200	173.0	1.988	6.873	24.21	2.510	1.987	2.320	382.0
4.500	171.6	1.870	7.454	24.93	2.675	2.061	2.477	380.8
4.800	170.2	1.768	8.068	25.70	2.840	2.121	2.626	379.6
5.000	169.1	1.708	8.494	26.23	2.949	2.157	2.724	378.7
5.100	168.6	1.680	8.712	26.51	3.004	2.174	2.773	378.2
5.300	167.5	1.627	9.158	27.07	3.112	2.207	2.872	377.1
5.500	166.3	1.579	9.618	27.66	3.220	2.239	2.971	375.9
6.000	163.2	1.475	10.83	29.21	3.490	2.317	3.225	372.4
6.500	159.9	1.389	12.13	30.88	3.758	2.394	3.484	368.2
7.000	156.5	1.319	13.52	32.69	4.026	2.468	3.749	363.3
8.000	148.9	1.212	16.56	36.71	4.561	2.606	4.280	352.2
9.000	140.8	1.140	19.95	41.25	5.096	2.726	4.801	340.4
10.00	132.3	1.091	23.63	46.30	5.627	2.827	5.289	329.0
12.00	115.1	1.046	31.63	57.69	6.664	2.978	6.045	311.7
15.00	92.44	1.042	44.18	76.63	8.071	3.113	6.447	304.1
20.00	67.69	1.067	64.19	108.5	9.906	3.196	6.240	319.0
25.00	53.41	1.082	82.79	139.0	11.27	3.210	5.951	342.5
30.00	44.32	1.086	100.5	168.2	12.33	3.207	5.747	366.6
40.00	33.34	1.083	134.4	224.3	13.95	3.190	5.513	411.5
50.00	26.87	1.075	167.2	278.8	15.17	3.176	5.395	451.9
60.00	22.57	1.067	199.5	332.4	16.14	3.164	5.328	488.8
80.00	17.14	1.053	263.2	438.2	17.67	3.150	5.261	554.9
100.0	13.84	1.044	326.3	543.1	18.84	3.141	5.231	613.8
120.0	11.61	1.037	389.1	647.5	19.79	3.136	5.215	667.5
140.0	10.00	1.031	451.8	751.7	20.59	3.132	5.206	717.1
160.0	8.786	1.027	514.3	855.8	21.29	3.129	5.200	763.6
180.0	7.834	1.024	576.8	959.7	21.90	3.127	5.197	807.3
200.0	7.069	1.022	639.3	1064.	22.45	3.125	5.195	848.9
220.0	6.440	1.019	701.7	1168.	22.94	3.124	5.193	888.5
240.0	5.913	1.018	764.1	1271.	23.39	3.123	5.192	926.5
260.0	5.467	1.016	826.4	1375.	23.81	3.122	5.192	962.9
280.0	5.083	1.015	888.8	1479.	24.19	3.122	5.191	998.1
300.0	4.749	1.014	951.2	1583.	24.55	3.121	5.191	1032.
350.0	4.079	1.012	1107.	1842.	25.35	3.120	5.191	1112.
400.0	3.575	1.010	1263.	2102.	26.04	3.119	5.190	1187.
500.0	2.867	1.008	1574.	2621.	27.20	3.118	5.191	1325.
600.0	2.392	1.006	1886.	3140.	28.15	3.118	5.191	1449.
700.0	2.053	1.005	2198.	3659.	28.95	3.117	5.191	1564.
800.0	1.797	1.004	2509.	4178.	29.64	3.117	5.191	1671.
900.0	1.599	1.004	2821.	4697.	30.25	3.117	5.191	1771.
1000.	1.439	1.003	3132.	5217.	30.80	3.117	5.192	1866.
1100.	1.309	1.003	3444.	5736.	31.30	3.117	5.192	1957.
1200.	1.200	1.003	3755.	6255.	31.75	3.117	5.192	2043.
1300.	1.108	1.003	4067.	6774.	32.16	3.116	5.192	2126.
1400.	1.029	1.002	4379.	7293.	32.55	3.116	5.192	2206.
1500.	0.9608	1.002	4690.	7813.	32.91	3.116	5.192	2283.

PRESSURE = 3.000 [MPa]

TEMP [K]	$\left(\frac{\Gamma}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [m ² /s]	PRANDTL
1.762	-0.2224	-1.924	0.1882	0.7105E-01				
1.769	-0.3004	-1.990	0.2128	0.7112E-01				
1.771	-0.1131	-1.659	0.1587	0.7114E-01				
1.780	-0.4432E-01	-1.178	0.1380	0.7116E-01				
1.870	0.3705E-02	0.1940	0.1236	0.7120E-01				
2.000	0.1667E-01	0.9913	0.1201	0.7115E-01				
2.200	0.2583E-01	1.430	0.1191	0.7100E-01				
2.400	0.3125E-01	1.336	0.1186	0.7078E-01				
2.700	0.3449E-01	1.466	0.1178	0.7041E-01				
3.000	0.4393E-01	1.553	0.1202	0.7011E-01				
3.300	0.5709E-01	1.526	0.1240	0.6977E-01				
3.600	0.7196E-01	1.524	0.1283	0.6937E-01	0.2585E-01	8.400	0.7597E-07	0.6305
3.900	0.8827E-01	1.548	0.1333	0.6892E-01	0.2726E-01	8.065	0.7291E-07	0.6349
4.200	0.1058	1.585	0.1388	0.6841E-01	0.2855E-01	7.785	0.7112E-07	0.6327
4.500	0.1245	1.620	0.1449	0.6786E-01	0.2970E-01	7.540	0.6986E-07	0.6289
4.800	0.1443	1.650	0.1515	0.6727E-01	0.3073E-01	7.322	0.6877E-07	0.6257
5.000	0.1581	1.664	0.1563	0.6684E-01	0.3135E-01	7.187	0.6805E-07	0.6246
5.100	0.1651	1.670	0.1588	0.6663E-01	0.3163E-01	7.122	0.6767E-07	0.6243
5.300	0.1796	1.678	0.1639	0.6618E-01	0.3217E-01	6.997	0.6691E-07	0.6245
5.500	0.1945	1.682	0.1694	0.6571E-01	0.3266E-01	6.879	0.6611E-07	0.6257
6.000	0.2337	1.676	0.1844	0.6448E-01	0.3369E-01	6.602	0.6400E-07	0.6319
6.500	0.2759	1.652	0.2014	0.6315E-01	0.3445E-01	6.351	0.6182E-07	0.6423
7.000	0.3212	1.616	0.2207	0.6175E-01	0.3499E-01	6.121	0.5967E-07	0.6557
8.000	0.4212	1.526	0.2668	0.5873E-01	0.3553E-01	5.716	0.5574E-07	0.6886
9.000	0.5329	1.429	0.3239	0.5548E-01	0.3556E-01	5.378	0.5259E-07	0.7262
10.00	0.6523	1.335	0.3918	0.5207E-01	0.3530E-01	5.102	0.5045E-07	0.7643
12.00	0.8789	1.174	0.5447	0.4520E-01	0.3462E-01	4.720	0.4976E-07	0.8241
15.00	1.059	1.012	0.7271	0.3621E-01	0.3442E-01	4.499	0.5775E-07	0.8426
20.00	1.081	0.8814	0.8505	0.2644E-01	0.3606E-01	4.624	0.8537E-07	0.8002
25.00	1.041	0.8205	0.8874	0.2082E-01	0.3851E-01	4.951	0.1212E-06	0.7652
30.00	1.008	0.7858	0.9027	0.1726E-01	0.4116E-01	5.326	0.1616E-06	0.7437
40.00	0.9739	0.7477	0.9184	0.1297E-01	0.4654E-01	6.080	0.2532E-06	0.7202
50.00	0.9609	0.7274	0.9288	0.1044E-01	0.5189E-01	6.797	0.3579E-06	0.7068
60.00	0.9566	0.7148	0.9370	0.8765E-02	0.5713E-01	7.475	0.4752E-06	0.6971
80.00	0.9571	0.7003	0.9495	0.6653E-02	0.6727E-01	8.735	0.7461E-06	0.6831
100.0	0.9610	0.6922	0.9582	0.5369E-02	0.7697E-01	9.908	0.1063E-05	0.6733
120.0	0.9651	0.6871	0.9647	0.4504E-02	0.8626E-01	11.02	0.1425E-05	0.6664
140.0	0.9688	0.6836	0.9696	0.3879E-02	0.9520E-01	12.10	0.1828E-05	0.6617
160.0	0.9720	0.6810	0.9734	0.3407E-02	0.1038	13.15	0.2272E-05	0.6586
180.0	0.9747	0.6791	0.9764	0.3038E-02	0.1122	14.18	0.2755E-05	0.6567
200.0	0.9770	0.6777	0.9789	0.2741E-02	0.1203	15.21	0.3276E-05	0.6570
220.0	0.9790	0.6765	0.9809	0.2497E-02	0.1282	16.22	0.3833E-05	0.6571
240.0	0.9807	0.6755	0.9826	0.2292E-02	0.1359	17.20	0.4426E-05	0.6572
260.0	0.9822	0.6747	0.9841	0.2119E-02	0.1434	18.16	0.5054E-05	0.6572
280.0	0.9835	0.6740	0.9853	0.1970E-02	0.1508	19.09	0.5716E-05	0.6572
300.0	0.9847	0.6735	0.9864	0.1841E-02	0.1580	20.00	0.6411E-05	0.6571
350.0	0.9870	0.6723	0.9886	0.1581E-02	0.1755	22.21	0.8289E-05	0.6569
400.0	0.9887	0.6715	0.9902	0.1386E-02	0.1923	24.33	0.1036E-04	0.6567
500.0	0.9912	0.6704	0.9924	0.1111E-02	0.2241	28.35	0.1506E-04	0.6564
600.0	0.9929	0.6697	0.9938	0.9270E-03	0.2542	32.13	0.2047E-04	0.6561
700.0	0.9940	0.6692	0.9948	0.7954E-03	0.2828	35.73	0.2654E-04	0.6559
800.0	0.9949	0.6689	0.9956	0.6965E-03	0.3102	39.18	0.3325E-04	0.6558
900.0	0.9955	0.6686	0.9961	0.6194E-03	0.3366	42.52	0.4056E-04	0.6556
1000.	0.9960	0.6684	0.9966	0.5577E-03	0.3622	45.74	0.4847E-04	0.6556
1100.	0.9965	0.6682	0.9969	0.5072E-03	0.3871	48.87	0.5696E-04	0.6555
1200.	0.9968	0.6681	0.9972	0.4650E-03	0.4112	51.92	0.6599E-04	0.6555
1300.	0.9971	0.6679	0.9975	0.4294E-03	0.4348	54.89	0.7557E-04	0.6555
1400.	0.9973	0.6678	0.9977	0.3988E-03	0.4579	57.80	0.8569E-04	0.6555
1500.	0.9975	0.6678	0.9979	0.3723E-03	0.4805	60.65	0.9631E-04	0.6555

PRESSURE = 3.500 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C _V [J/g*K]	C _P [J/g*K]	V SOUND [m/s]
M 1.922	183.4	4.780	4.079	23.17	1.254	1.060	1.084	389.7
2.000	183.2	4.598	4.149	23.25	1.296	1.053	1.085	393.3
3.000	180.6	3.110	5.215	24.60	1.836	1.271	1.349	404.9
4.000	177.6	2.372	6.642	26.35	2.336	1.862	2.109	400.9
5.000	173.3	1.945	8.518	28.72	2.862	2.104	2.607	397.9
6.000	167.9	1.672	10.72	31.56	3.379	2.276	3.083	392.8
8.000	155.0	1.359	16.13	38.71	4.400	2.583	4.062	375.0
10.00	140.1	1.203	22.79	47.77	5.407	2.815	4.975	353.8
12.00	124.5	1.128	30.38	58.49	6.383	2.971	5.706	336.1
15.00	102.8	1.093	42.56	76.60	7.728	3.110	6.258	323.9
20.00	76.91	1.095	62.58	108.1	9.540	3.202	6.240	332.2
25.00	61.11	1.103	81.41	138.7	10.91	3.221	5.997	352.6
30.00	50.85	1.104	99.32	168.1	11.98	3.218	5.797	375.0
40.00	38.37	1.098	133.5	224.7	13.61	3.201	5.551	418.4
50.00	30.98	1.088	166.6	279.6	14.83	3.184	5.422	458.0
60.00	26.05	1.078	199.0	333.4	15.82	3.172	5.347	494.3
80.00	19.83	1.062	262.9	439.4	17.34	3.155	5.271	559.7
100.0	16.03	1.051	326.2	544.5	18.51	3.145	5.237	618.0
120.0	13.46	1.043	389.1	649.0	19.47	3.139	5.218	671.3
140.0	11.61	1.037	451.8	753.3	20.27	3.134	5.208	720.6
160.0	10.20	1.032	514.4	857.4	20.97	3.131	5.202	766.8
180.0	9.104	1.028	576.9	961.4	21.58	3.129	5.198	810.3
200.0	8.218	1.025	639.4	1065.	22.13	3.127	5.195	851.7
220.0	7.489	1.023	701.8	1169.	22.62	3.126	5.193	891.2
240.0	6.879	1.021	764.2	1273.	23.07	3.124	5.192	929.0
260.0	6.361	1.019	826.6	1377.	23.49	3.123	5.192	965.3
280.0	5.915	1.017	889.0	1481.	23.87	3.123	5.191	1000.
300.0	5.528	1.016	951.3	1585.	24.23	3.122	5.191	1034.
350.0	4.750	1.013	1107.	1844.	25.03	3.121	5.190	1114.
400.0	4.164	1.012	1263.	2104.	25.72	3.120	5.190	1189.
500.0	3.340	1.009	1575.	2623.	26.88	3.119	5.190	1326.
600.0	2.788	1.007	1886.	3142.	27.83	3.118	5.190	1451.
700.0	2.393	1.006	2198.	3661.	28.63	3.118	5.191	1565.
800.0	2.095	1.005	2509.	4180.	29.32	3.117	5.191	1672.
900.0	1.864	1.004	2821.	4699.	29.93	3.117	5.191	1772.
1000.	1.678	1.004	3132.	5218.	30.48	3.117	5.191	1867.
1100.	1.526	1.004	3444.	5737.	30.97	3.117	5.192	1958.
1200.	1.400	1.003	3756.	6256.	31.43	3.117	5.192	2044.
1300.	1.292	1.003	4067.	6775.	31.84	3.117	5.192	2127.
1400.	1.200	1.003	4379.	7295.	32.23	3.116	5.192	2207.
1500.	1.121	1.002	4690.	7814.	32.59	3.116	5.192	2284.

TEMP [K]				PRESSURE =	3.500	[MPa]			
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial E}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL	
1.922	0.1771E-01	1.290	0.1286	0.7260E-01					
2.000	0.2062E-01	1.469	0.1272	0.7255E-01					
3.000	0.3908E-01	1.582	0.1256	0.7148E-01					
4.000	0.8337E-01	1.588	0.1389	0.7025E-01	0.2870E-01	8.736	0.7665E-07	0.6419	
5.000	0.1402	1.703	0.1581	0.6652E-01	0.3265E-01	7.807	0.7229E-07	0.6233	
6.000	0.2061	1.719	0.1830	0.6637E-01	0.3527E-01	7.147	0.6814E-07	0.6246	
8.000	0.3637	1.574	0.2525	0.6117E-01	0.3759E-01	6.182	0.5970E-07	0.6680	
10.00	0.5523	1.390	0.3528	0.5519E-01	0.3765E-01	5.519	0.5402E-07	0.7292	
12.00	0.7468	1.232	0.4779	0.4895E-01	0.3700E-01	5.091	0.5208E-07	0.7851	
15.00	0.9517	1.064	0.6530	0.4032E-01	0.3648E-01	4.792	0.5669E-07	0.8220	
20.00	1.036	0.9159	0.8039	0.3007E-01	0.3764E-01	4.823	0.7845E-07	0.7994	
25.00	1.020	0.8453	0.8578	0.2385E-01	0.3989E-01	5.103	0.1088E-06	0.7672	
30.00	0.9953	0.8050	0.8813	0.1982E-01	0.4241E-01	5.453	0.1439E-06	0.7453	
40.00	0.9653	0.7609	0.9039	0.1493E-01	0.4764E-01	6.182	0.2236E-06	0.7204	
50.00	0.9531	0.7373	0.9172	0.1205E-01	0.5286E-01	6.887	0.3147E-06	0.7064	
60.00	0.9491	0.7228	0.9271	0.1012E-01	0.5801E-01	7.557	0.4164E-06	0.6966	
80.00	0.9503	0.7058	0.9415	0.7699E-02	0.6800E-01	8.807	0.6506E-06	0.6827	
100.0	0.9548	0.6964	0.9517	0.6223E-02	0.7759E-01	9.972	0.9243E-06	0.6730	
120.0	0.9595	0.6905	0.9591	0.5225E-02	0.8681E-01	11.08	0.1236E-05	0.6661	
140.0	0.9638	0.6884	0.9647	0.4504E-02	0.9569E-01	12.15	0.1583E-05	0.6613	
160.0	0.9675	0.6835	0.9691	0.3958E-02	0.1043	13.20	0.1965E-05	0.6583	
180.0	0.9706	0.6812	0.9726	0.3531E-02	0.1126	14.22	0.2380E-05	0.6562	
200.0	0.9733	0.6795	0.9754	0.3187E-02	0.1207	15.25	0.2827E-05	0.6564	
220.0	0.9756	0.6781	0.9778	0.2904E-02	0.1286	16.25	0.3306E-05	0.6565	
240.0	0.9776	0.6770	0.9798	0.2667E-02	0.1363	17.23	0.3815E-05	0.6565	
260.0	0.9793	0.6761	0.9815	0.2466E-02	0.1438	18.18	0.4354E-05	0.6564	
280.0	0.9808	0.6753	0.9829	0.2293E-02	0.1511	19.11	0.4922E-05	0.6563	
300.0	0.9821	0.6746	0.9842	0.2143E-02	0.1584	20.02	0.5519E-05	0.6562	
350.0	0.9848	0.6733	0.9867	0.1841E-02	0.1758	22.22	0.7132E-05	0.6559	
400.0	0.9869	0.6723	0.9885	0.1614E-02	0.1926	24.33	0.8911E-05	0.6555	
500.0	0.9898	0.6710	0.9911	0.1294E-02	0.2244	28.32	0.1295E-04	0.6550	
600.0	0.9917	0.6702	0.9928	0.1080E-02	0.2545	32.09	0.1758E-04	0.6546	
700.0	0.9930	0.6697	0.9940	0.9272E-03	0.2831	35.68	0.2279E-04	0.6543	
800.0	0.9940	0.6692	0.9948	0.8120E-03	0.3105	39.12	0.2854E-04	0.6541	
900.0	0.9948	0.6689	0.9955	0.7222E-03	0.3369	42.44	0.3482E-04	0.6540	
1000.	0.9954	0.6687	0.9960	0.6503E-03	0.3625	45.65	0.4160E-04	0.6539	
1100.	0.9959	0.6685	0.9964	0.5914E-03	0.3873	48.77	0.4888E-04	0.6538	
1200.	0.9963	0.6683	0.9968	0.5423E-03	0.4115	51.81	0.5663E-04	0.6538	
1300.	0.9966	0.6682	0.9971	0.5007E-03	0.4351	54.78	0.6484E-04	0.6537	
1400.	0.9969	0.6680	0.9973	0.4651E-03	0.4581	57.68	0.7351E-04	0.6537	
1500.	0.9971	0.6679	0.9975	0.4342E-03	0.4807	60.52	0.8263E-04	0.6537	

PRESSURE = 4.000 [MPa]								
TEMP [K]	DENSITY [kg/m^3]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g*K]	C_V [J/g*K]	C_P [J/g*K]	V SOUND [m/s]
M 2.069	186.3	4.996	4.458	25.93	1.285	1.305	1.353	408.1
3.000	183.7	3.494	5.464	27.24	1.802	1.223	1.293	420.7
4.000	180.9	2.561	6.814	28.92	2.281	1.804	2.023	417.8
5.000	177.0	2.176	8.592	31.20	2.786	2.055	2.506	415.6
6.000	172.1	1.865	10.68	33.93	3.284	2.238	2.966	411.4
8.000	160.2	1.502	15.83	40.80	4.265	2.562	3.895	395.4
10.00	146.6	1.313	22.17	49.46	5.227	2.804	4.744	375.7
12.00	132.3	1.213	29.43	59.67	6.157	2.967	5.438	358.3
15.00	111.7	1.149	41.25	77.05	7.447	3.110	6.062	343.4
20.00	85.36	1.128	61.17	108.0	9.228	3.208	6.208	345.8
25.00	68.39	1.126	80.14	138.6	10.59	3.231	6.022	363.0
30.00	57.12	1.124	98.23	168.3	11.68	3.229	5.835	383.7
40.00	43.25	1.113	132.8	225.2	13.32	3.211	5.585	425.3
50.00	34.89	1.101	166.0	280.3	14.55	3.193	5.447	464.1
60.00	29.47	1.089	198.6	334.4	15.53	3.179	5.365	499.8
80.00	22.47	1.071	262.7	440.7	17.06	3.160	5.281	564.4
100.0	18.20	1.058	326.1	545.9	18.24	3.149	5.242	622.2
120.0	15.30	1.049	389.1	650.5	19.19	3.142	5.222	675.1
140.0	13.20	1.042	451.8	754.8	19.99	3.137	5.210	724.1
160.0	11.61	1.036	514.5	859.0	20.69	3.133	5.203	770.0
180.0	10.36	1.032	577.0	963.0	21.30	3.131	5.198	813.3
200.0	9.359	1.029	639.5	1067.	21.85	3.129	5.196	854.5
220.0	8.532	1.026	702.0	1171.	22.34	3.127	5.194	893.8
240.0	7.839	1.024	764.4	1275.	22.80	3.126	5.192	931.5
260.0	7.250	1.022	826.8	1378.	23.21	3.125	5.191	967.7
280.0	6.744	1.020	889.2	1482.	23.60	3.124	5.191	1003.
300.0	6.303	1.018	951.5	1586.	23.95	3.123	5.190	1036.
350.0	5.419	1.015	1107.	1846.	24.75	3.121	5.190	1116.
400.0	4.751	1.013	1263.	2105.	25.45	3.120	5.190	1191.
500.0	3.812	1.010	1575.	2624.	26.61	3.119	5.190	1328.
600.0	3.183	1.008	1886.	3143.	27.55	3.118	5.190	1452.
700.0	2.732	1.007	2198.	3662.	28.35	3.118	5.190	1567.
800.0	2.393	1.006	2510.	4181.	29.04	3.118	5.191	1673.
900.0	2.129	1.005	2821.	4700.	29.66	3.117	5.191	1774.
1000.	1.917	1.005	3133.	5219.	30.20	3.117	5.191	1868.
1100.	1.743	1.004	3444.	5738.	30.70	3.117	5.191	1959.
1200.	1.589	1.004	3756.	6258.	31.15	3.117	5.192	2045.
1300.	1.476	1.003	4067.	6777.	31.57	3.117	5.192	2128.
1400.	1.371	1.003	4379.	7296.	31.95	3.117	5.192	2208.
1500.	1.280	1.003	4690.	7815.	32.31	3.117	5.192	2285.

PRESSURE = 4.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
2.069	0.2496E-01	1.485	0.1337	0.7378E-01				
3.000	0.3541E-01	1.617	0.1301	0.7274E-01				
4.000	0.7499E-01	1.617	0.1421	0.7161E-01	0.2963E-01	9.526	0.8098E-07	0.6502
5.000	0.1262	1.740	0.1596	0.7002E-01	0.3387E-01	8.433	0.7638E-07	0.6239
6.000	0.1849	1.759	0.1820	0.6804E-01	0.3676E-01	7.689	0.7204E-07	0.6203
8.000	0.3221	1.616	0.2428	0.6326E-01	0.3951E-01	5.634	0.6332E-07	0.6540
10.00	0.4821	1.435	0.3269	0.5780E-01	0.3985E-01	5.918	0.5730E-07	0.7045
12.00	0.6505	1.280	0.4316	0.5206E-01	0.3926E-01	5.446	0.5458E-07	0.7543
15.00	0.8555	1.109	0.5919	0.4386E-01	0.3852E-01	5.080	0.5687E-07	0.7996
20.00	0.9854	0.9491	0.7583	0.3341E-01	0.3921E-01	5.024	0.7398E-07	0.7955
25.00	0.9937	0.8696	0.8275	0.2671E-01	0.4122E-01	5.257	0.1001E-06	0.7682
30.00	0.9795	0.8239	0.8593	0.2228E-01	0.4362E-01	5.581	0.1309E-06	0.7466
40.00	0.9556	0.7739	0.8892	0.1684E-01	0.4871E-01	6.286	0.2016E-06	0.7207
50.00	0.9449	0.7472	0.9055	0.1361E-01	0.5382E-01	6.978	0.2824E-06	0.7061
60.00	0.9415	0.7306	0.9172	0.1146E-01	0.5888E-01	7.639	0.3724E-06	0.6962
80.00	0.9435	0.7114	0.9337	0.8729E-02	0.6873E-01	8.879	0.5791E-06	0.6823
100.0	0.9487	0.7007	0.9452	0.7065E-02	0.7822E-01	10.04	0.8200E-06	0.6727
120.0	0.9541	0.6939	0.9535	0.5938E-02	0.8736E-01	11.14	0.1094E-05	0.6658
140.0	0.9589	0.6892	0.9599	0.5122E-02	0.9619E-01	12.20	0.1399E-05	0.6610
160.0	0.9631	0.6859	0.9648	0.4505E-02	0.1047	13.24	0.1734E-05	0.6579
180.0	0.9666	0.6833	0.9688	0.4020E-02	0.1130	14.26	0.2098E-05	0.6558
200.0	0.9696	0.6814	0.9720	0.3630E-02	0.1211	15.29	0.2490E-05	0.6559
220.0	0.9722	0.6798	0.9747	0.3309E-02	0.1290	16.28	0.2910E-05	0.6559
240.0	0.9745	0.6785	0.9770	0.3040E-02	0.1366	17.26	0.3357E-05	0.6558
260.0	0.9764	0.6774	0.9789	0.2811E-02	0.1441	18.20	0.3829E-05	0.6556
280.0	0.9781	0.6765	0.9805	0.2615E-02	0.1515	19.13	0.4327E-05	0.6554
300.0	0.9796	0.6758	0.9819	0.2444E-02	0.1587	20.03	0.4850E-05	0.6553
350.0	0.9827	0.6743	0.9848	0.2101E-02	0.1761	22.22	0.6263E-05	0.6548
400.0	0.9850	0.6732	0.9869	0.1842E-02	0.1929	24.32	0.7822E-05	0.6543
500.0	0.9883	0.6717	0.9899	0.1478E-02	0.2247	28.30	0.1136E-04	0.6536
600.0	0.9905	0.6707	0.9918	0.1234E-02	0.2547	32.05	0.1542E-04	0.6531
700.0	0.9920	0.6701	0.9931	0.1059E-02	0.2833	35.63	0.1998E-04	0.6527
800.0	0.9932	0.6696	0.9941	0.9273E-03	0.3107	39.06	0.2502E-04	0.6525
900.0	0.9940	0.6692	0.9949	0.8249E-03	0.3371	42.36	0.3051E-04	0.6523
1000.	0.9947	0.6690	0.9955	0.7428E-03	0.3627	45.57	0.3645E-04	0.6522
1100.	0.9953	0.6687	0.9959	0.6756E-03	0.3875	48.68	0.4282E-04	0.6521
1200.	0.9957	0.6685	0.9963	0.6195E-03	0.4117	51.71	0.4960E-04	0.6520
1300.	0.9961	0.6684	0.9966	0.5720E-03	0.4353	54.67	0.5679E-04	0.6520
1400.	0.9964	0.6682	0.9969	0.5313E-03	0.4583	57.56	0.6438E-04	0.6520
1500.	0.9967	0.6681	0.9972	0.4960E-03	0.4809	60.40	0.7236E-04	0.6520

			PRESSURE =	4.500	[MPa]				
M	TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	V_SOUND [m/s]
	2.206	188.5	5.212	4.697	28.57	1.270	2.869	2.924	422.8
	3.000	186.6	3.871	5.728	29.85	1.771	1.182	1.246	435.7
	4.000	184.0	2.943	7.011	31.47	2.232	1.750	1.947	433.6
	5.000	180.3	2.403	8.704	33.66	2.719	2.008	2.418	432.2
	6.000	175.8	2.054	10.70	36.30	3.199	2.201	2.866	428.7
	8.000	164.8	1.643	15.62	42.93	4.147	2.542	3.761	414.0
	10.00	152.2	1.423	21.71	51.28	5.075	2.795	4.565	395.5
	12.00	138.9	1.300	28.70	61.10	5.968	2.964	5.225	378.6
	15.00	119.4	1.209	40.18	77.86	7.212	3.112	5.877	362.1
	20.00	93.10	1.163	59.92	108.2	8.959	3.214	6.155	359.7
	25.00	75.26	1.151	78.98	138.8	10.32	3.240	6.031	373.7
	30.00	63.13	1.144	97.22	168.5	11.41	3.239	5.863	392.6
	40.00	47.99	1.129	132.0	225.8	13.06	3.220	5.614	432.4
	50.00	38.91	1.114	165.5	281.1	14.29	3.201	5.469	470.2
	60.00	32.81	1.100	198.2	335.4	15.28	3.186	5.382	505.3
	80.00	25.07	1.080	262.5	442.0	16.81	3.165	5.291	569.2
	100.0	20.33	1.066	326.0	547.3	17.99	3.153	5.248	626.4
	120.0	17.11	1.055	389.0	652.0	18.94	3.145	5.225	678.9
	140.0	14.78	1.047	451.9	756.4	19.75	3.139	5.212	727.6
	160.0	13.01	1.041	514.5	860.5	20.44	3.135	5.204	773.2
	180.0	11.61	1.036	577.1	964.6	21.06	3.132	5.189	816.3
	200.0	10.49	1.032	639.6	1069.	21.60	3.130	5.196	857.3
	220.0	9.568	1.029	702.1	1172.	22.10	3.128	5.194	896.5
	240.0	8.794	1.026	764.5	1276.	22.55	3.127	5.192	934.0
	260.0	8.135	1.024	826.9	1380.	22.97	3.126	5.191	970.1
	280.0	7.568	1.022	889.3	1484.	23.35	3.125	5.190	1005.
	300.0	7.075	1.021	951.7	1588.	23.71	3.124	5.180	1039.
	350.0	6.084	1.017	1108.	1847.	24.51	3.122	5.189	1118.
	400.0	5.337	1.015	1263.	2107.	25.20	3.121	5.189	1193.
	500.0	4.284	1.011	1575.	2626.	26.36	3.120	5.189	1330.
	600.0	3.577	1.009	1887.	3145.	27.31	3.119	5.190	1454.
	700.0	3.071	1.008	2198.	3664.	28.11	3.118	5.190	1568.
	800.0	2.690	1.007	2510.	4183.	28.80	3.118	5.190	1674.
	900.0	2.393	1.006	2821.	4702.	29.41	3.117	5.191	1775.
	1000.	2.155	1.005	3133.	5221.	29.96	3.117	5.191	1869.
	1100.	1.960	1.005	3444.	5740.	30.45	3.117	5.191	1960.
	1200.	1.798	1.004	3756.	6259.	30.90	3.117	5.191	2046.
	1300.	1.660	1.004	4067.	6778.	31.32	3.117	5.191	2129.
	1400.	1.542	1.003	4379.	7297.	31.71	3.117	5.192	2209.
	1500.	1.440	1.003	4691.	7816.	32.06	3.117	5.192	2286.

PRESSURE = 4.500 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
2.206	0.2631E-01	0.7293	0.1362	0.7467E-01				
3.000	0.3265E-01	1.658	0.1340	0.7390E-01				
4.000	0.5823E-01	1.648	0.1447	0.7286E-01	0.3052E-01	10.34	0.8522E-07	0.6594
5.000	0.1149	1.775	0.1608	0.7138E-01	0.3503E-01	9.065	0.8034E-07	0.6257
6.000	0.1681	1.797	0.1814	0.6954E-01	0.3817E-01	8.232	0.7577E-07	0.6180
8.000	0.2902	1.653	0.2358	0.6510E-01	0.4133E-01	7.080	0.6668E-07	0.6443
10.00	0.4298	1.473	0.3087	0.6004E-01	0.4193E-01	6.306	0.6035E-07	0.6865
12.00	0.5777	1.321	0.3984	0.5470E-01	0.4143E-01	5.790	0.5709E-07	0.7302
15.00	0.7729	1.150	0.5426	0.4693E-01	0.4053E-01	5.364	0.5774E-07	0.7778
20.00	0.9329	0.9806	0.7153	0.3647E-01	0.4076E-01	5.227	0.7114E-07	0.7892
25.00	0.9645	0.8932	0.7972	0.2942E-01	0.4251E-01	5.414	0.9367E-07	0.7680
30.00	0.9613	0.8425	0.8370	0.2464E-01	0.4479E-01	5.712	0.1210E-06	0.7476
40.00	0.9449	0.7868	0.8744	0.1870E-01	0.4974E-01	6.390	0.1846E-06	0.7212
50.00	0.9363	0.7569	0.8940	0.1514E-01	0.5476E-01	7.069	0.2573E-06	0.7061
60.00	0.9339	0.7385	0.9074	0.1276E-01	0.5973E-01	7.722	0.3382E-06	0.6959
80.00	0.9368	0.7169	0.9261	0.9743E-02	0.6945E-01	8.951	0.5235E-06	0.6819
100.0	0.9427	0.7049	0.9388	0.7895E-02	0.7884E-01	10.10	0.7389E-06	0.6723
120.0	0.9487	0.6973	0.9481	0.6643E-02	0.8791E-01	11.20	0.9832E-06	0.6655
140.0	0.9541	0.6921	0.9551	0.5735E-02	0.9669E-01	12.26	0.1255E-05	0.6607
160.0	0.9587	0.6883	0.9606	0.5046E-02	0.1052	13.29	0.1554E-05	0.6575
180.0	0.9626	0.6854	0.9650	0.4506E-02	0.1135	14.30	0.1879E-05	0.6553
200.0	0.9660	0.6832	0.9687	0.4070E-02	0.1215	15.32	0.2228E-05	0.6554
220.0	0.9689	0.6814	0.9716	0.3711E-02	0.1293	16.32	0.2602E-05	0.6553
240.0	0.9714	0.6800	0.9742	0.3410E-02	0.1370	17.28	0.3000E-05	0.6551
260.0	0.9736	0.6788	0.9763	0.3155E-02	0.1445	18.22	0.3421E-05	0.6549
280.0	0.9755	0.6778	0.9781	0.2935E-02	0.1518	19.15	0.3864E-05	0.6546
300.0	0.9772	0.6769	0.9797	0.2743E-02	0.1590	20.05	0.4330E-05	0.6544
350.0	0.9806	0.6752	0.9829	0.2359E-02	0.1764	22.23	0.5588E-05	0.6537
400.0	0.9832	0.6740	0.9853	0.2069E-02	0.1932	24.31	0.6975E-05	0.6532
500.0	0.9868	0.6723	0.9886	0.1660E-02	0.2250	28.28	0.1012E-04	0.6523
600.0	0.9893	0.6712	0.9908	0.1386E-02	0.2550	32.02	0.1373E-04	0.6516
700.0	0.9910	0.6705	0.9923	0.1190E-02	0.2836	35.58	0.1779E-04	0.6512
800.0	0.9923	0.6700	0.9934	0.1042E-02	0.3110	38.99	0.2227E-04	0.6509
900.0	0.9933	0.6696	0.9942	0.9274E-03	0.3374	42.29	0.2716E-04	0.6506
1000.	0.9941	0.6692	0.9949	0.8352E-03	0.3629	45.48	0.3244E-04	0.6505
1100.	0.9947	0.6690	0.9954	0.7597E-03	0.3878	48.58	0.3810E-04	0.6504
1200.	0.9952	0.6688	0.9959	0.6966E-03	0.4119	51.60	0.4414E-04	0.6503
1300.	0.9956	0.6686	0.9962	0.6433E-03	0.4355	54.55	0.5053E-04	0.6503
1400.	0.9960	0.6684	0.9965	0.5975E-03	0.4586	57.44	0.5728E-04	0.6503
1500.	0.9963	0.6683	0.9968	0.5578E-03	0.4811	60.27	0.6437E-04	0.6503

PRESSURE = 5.000 [MPa]								
TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
M 2.334	190.5	5.415	5.226	31.48	1.379	2.628	2.678	442.1
3.000	189.3	4.240	6.006	32.43	1.743	1.149	1.209	449.8
4.000	186.8	3.221	7.228	33.99	2.188	1.699	1.878	448.6
5.000	183.4	2.625	8.845	36.10	2.658	1.964	2.339	447.9
6.000	179.2	2.239	10.76	38.66	3.124	2.166	2.778	444.9
8.000	168.9	1.782	15.49	45.10	4.044	2.523	3.649	431.2
10.00	157.1	1.532	21.37	53.19	4.943	2.786	4.420	413.7
12.00	144.7	1.387	28.12	62.69	5.807	2.962	5.054	397.3
15.00	126.2	1.272	39.31	78.93	7.012	3.115	5.712	379.9
20.00	100.2	1.201	58.82	108.7	8.725	3.221	6.088	373.6
25.00	81.73	1.178	77.91	139.1	10.08	3.249	6.026	384.5
30.00	68.87	1.165	96.26	168.9	11.17	3.249	5.881	401.6
40.00	52.58	1.145	131.3	226.4	12.82	3.229	5.639	439.5
50.00	42.72	1.127	164.9	282.0	14.06	3.209	5.490	476.3
60.00	36.08	1.112	197.8	336.4	15.06	3.192	5.398	510.9
80.00	27.63	1.089	262.3	443.2	16.59	3.170	5.300	573.9
100.0	22.44	1.073	325.9	548.7	17.77	3.157	5.254	630.6
120.0	18.90	1.061	389.0	653.5	18.73	3.148	5.229	682.7
140.0	16.34	1.052	451.9	757.9	19.53	3.142	5.214	731.0
160.0	14.39	1.046	514.6	862.1	20.23	3.137	5.206	776.4
180.0	12.86	1.040	577.2	966.2	20.84	3.134	5.200	819.3
200.0	11.62	1.036	639.8	1070.	21.39	3.132	5.196	860.1
220.0	10.60	1.032	702.3	1174.	21.88	3.130	5.194	899.1
240.0	9.743	1.029	764.7	1278.	22.33	3.128	5.192	936.5
260.0	9.015	1.027	827.1	1382.	22.75	3.127	5.191	972.5
280.0	8.389	1.025	889.5	1486.	23.13	3.126	5.190	1007.
300.0	7.844	1.023	951.9	1589.	23.49	3.125	5.190	1041.
350.0	6.747	1.019	1108.	1849.	24.29	3.123	5.189	1120.
400.0	5.920	1.017	1264.	2108.	24.98	3.122	5.189	1195.
500.0	4.753	1.013	1575.	2627.	26.14	3.120	5.189	1331.
600.0	3.971	1.010	1887.	3146.	27.09	3.119	5.189	1455.
700.0	3.409	1.009	2198.	3665.	27.89	3.118	5.190	1569.
800.0	2.987	1.007	2510.	4184.	28.58	3.118	5.190	1676.
900.0	2.657	1.006	2821.	4703.	29.19	3.118	5.190	1776.
1000.	2.393	1.006	3133.	5222.	29.74	3.117	5.191	1870.
1100.	2.177	1.005	3445.	5741.	30.23	3.117	5.191	1961.
1200.	1.997	1.005	3756.	6260.	30.69	3.117	5.191	2047.
1300.	1.844	1.004	4068.	6779.	31.10	3.117	5.191	2130.
1400.	1.713	1.004	4379.	7299.	31.49	3.117	5.191	2209.
1500.	1.599	1.004	4691.	7818.	31.84	3.117	5.192	2286.

TEMP [K]	PRESSURE = 5.000 [MPa]			DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_T$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$					
2.334	0.2466E-01	0.7715	0.1368	0.7549E-01				
3.000	0.3061E-01	1.708	0.1374	0.7499E-01				
4.000	0.6269E-01	1.679	0.1470	0.7401E-01	0.3137E-01	11.18	0.8939E-07	0.6693
5.000	0.1056	1.810	0.1618	0.7263E-01	0.3613E-01	9.707	0.8421E-07	0.6284
6.000	0.1543	1.832	0.1809	0.7091E-01	0.3951E-01	8.776	0.7937E-07	0.6172
8.000	0.2648	1.687	0.2303	0.6675E-01	0.4306E-01	7.521	0.6987E-07	0.6374
10.00	0.3893	1.507	0.2951	0.6201E-01	0.4391E-01	6.686	0.6323E-07	0.6731
12.00	0.5209	1.356	0.3737	0.5701E-01	0.4352E-01	6.124	0.5954E-07	0.7111
15.00	0.7034	1.185	0.5033	0.4963E-01	0.4252E-01	5.643	0.5900E-07	0.7579
20.00	0.8811	1.010	0.6757	0.3928E-01	0.4233E-01	5.431	0.6941E-07	0.7810
25.00	0.9334	0.9181	0.7675	0.3197E-01	0.4380E-01	5.572	0.8893E-07	0.7666
30.00	0.9413	0.8607	0.8147	0.2690E-01	0.4593E-01	5.843	0.1134E-06	0.7481
40.00	0.9335	0.7995	0.8596	0.2050E-01	0.5074E-01	6.495	0.1711E-06	0.7218
50.00	0.9275	0.7666	0.8825	0.1664E-01	0.5567E-01	7.161	0.2373E-06	0.7062
60.00	0.9261	0.7462	0.8978	0.1404E-01	0.6057E-01	7.806	0.3109E-06	0.6957
80.00	0.9301	0.7225	0.9185	0.1074E-01	0.7017E-01	9.023	0.4791E-06	0.6816
100.0	0.9368	0.7091	0.9325	0.8716E-02	0.7947E-01	10.16	0.6741E-06	0.6720
120.0	0.9434	0.7007	0.9427	0.7340E-02	0.8846E-01	11.25	0.8950E-06	0.6652
140.0	0.9493	0.6949	0.9504	0.6342E-02	0.9718E-01	12.31	0.1141E-05	0.6603
160.0	0.9543	0.6907	0.9565	0.5584E-02	0.1056	13.34	0.1410E-05	0.6571
180.0	0.9587	0.6876	0.9613	0.4988E-02	0.1139	14.34	0.1703E-05	0.6549
200.0	0.9624	0.6851	0.9653	0.4507E-02	0.1219	15.36	0.2019E-05	0.6548
220.0	0.9656	0.6831	0.9686	0.4111E-02	0.1297	16.35	0.2356E-05	0.6547
240.0	0.9683	0.6815	0.9714	0.3779E-02	0.1373	17.31	0.2715E-05	0.6544
260.0	0.9707	0.6802	0.9737	0.3496E-02	0.1448	18.25	0.3094E-05	0.6541
280.0	0.9728	0.6790	0.9757	0.3253E-02	0.1521	19.16	0.3494E-05	0.6538
300.0	0.9747	0.6781	0.9775	0.3042E-02	0.1593	20.06	0.3914E-05	0.6535
350.0	0.9784	0.6762	0.9810	0.2616E-02	0.1767	22.23	0.5047E-05	0.6527
400.0	0.9813	0.6748	0.9837	0.2295E-02	0.1934	24.31	0.6298E-05	0.6520
500.0	0.9854	0.6730	0.9873	0.1843E-02	0.2252	28.26	0.9131E-05	0.6509
600.0	0.9881	0.6718	0.9897	0.1539E-02	0.2552	31.98	0.1239E-04	0.6502
700.0	0.9900	0.6709	0.9914	0.1321E-02	0.2838	35.52	0.1604E-04	0.6496
800.0	0.9914	0.6703	0.9926	0.1158E-02	0.3112	38.93	0.2008E-04	0.6493
900.0	0.9925	0.6699	0.9936	0.1030E-02	0.3376	42.21	0.2448E-04	0.6490
1000.	0.9934	0.6695	0.9943	0.9275E-03	0.3632	45.39	0.2923E-04	0.6488
1100.	0.9941	0.6692	0.9949	0.8437E-03	0.3880	48.49	0.3433E-04	0.6487
1200.	0.9947	0.6690	0.9954	0.7737E-03	0.4122	51.50	0.3978E-04	0.6486
1300.	0.9951	0.6688	0.9958	0.7145E-03	0.4357	54.44	0.4552E-04	0.6486
1400.	0.9955	0.6686	0.9961	0.6637E-03	0.4588	57.32	0.5160E-04	0.6486
1500.	0.9959	0.6685	0.9964	0.6196E-03	0.4814	60.14	0.5798E-04	0.6486

PRESSURE = 6.000 [MPa]								
TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
2.573	194.9	5.759	6.208	36.99	1.512	1.343	1.396	472.2
3.000	194.2	4.959	6.586	37.49	1.693	1.102	1.160	476.1
4.000	192.0	3.761	7.706	38.96	2.111	1.609	1.761	476.6
5.000	188.9	3.057	9.192	40.95	2.553	1.882	2.204	476.9
6.000	185.2	2.600	10.96	43.36	2.993	2.101	2.631	474.7
8.000	176.0	2.052	15.38	49.48	3.866	2.487	3.470	462.5
10.00	165.5	1.745	20.91	57.17	4.721	2.770	4.199	446.2
12.00	154.4	1.559	27.31	66.18	5.541	2.958	4.792	430.7
15.00	137.6	1.400	37.98	81.60	6.685	3.122	5.438	412.8
20.00	112.6	1.282	57.02	110.3	8.333	3.234	5.936	401.1
25.00	93.53	1.235	76.06	140.2	9.668	3.265	5.987	406.6
30.00	79.59	1.210	94.55	169.9	10.75	3.267	5.894	420.0
40.00	61.34	1.177	129.9	227.8	12.42	3.246	5.678	453.9
50.00	50.08	1.154	163.9	283.7	13.67	3.224	5.526	488.7
60.00	42.43	1.135	197.0	338.4	14.66	3.205	5.427	522.0
80.00	32.63	1.107	261.9	445.8	16.21	3.180	5.318	583.4
100.0	26.57	1.087	325.7	551.5	17.39	3.164	5.265	639.0
120.0	22.43	1.073	389.0	656.5	18.35	3.154	5.236	690.3
140.0	19.41	1.063	452.0	761.0	19.15	3.147	5.219	738.0
160.0	17.12	1.055	514.8	865.3	19.85	3.142	5.208	782.8
180.0	15.31	1.048	577.4	969.4	20.46	3.138	5.202	825.3
200.0	13.85	1.043	640.0	1073.	21.01	3.135	5.197	865.7
220.0	12.64	1.039	702.5	1177.	21.50	3.132	5.194	904.4
240.0	11.62	1.035	765.0	1281.	21.96	3.130	5.192	941.5
260.0	10.76	1.032	827.4	1385.	22.37	3.129	5.191	977.2
280.0	10.02	1.030	889.9	1489.	22.76	3.127	5.190	1012.
300.0	9.370	1.028	952.3	1593.	23.11	3.126	5.189	1045.
350.0	8.066	1.023	1108.	1852.	23.91	3.124	5.188	1124.
400.0	7.081	1.020	1264.	2111.	24.61	3.123	5.188	1198.
500.0	5.690	1.015	1576.	2630.	25.76	3.121	5.188	1334.
600.0	4.755	1.012	1887.	3149.	26.71	3.120	5.189	1458.
700.0	4.084	1.010	2199.	3668.	27.51	3.119	5.189	1572.
800.0	3.579	1.009	2510.	4187.	28.20	3.118	5.190	1678.
900.0	3.185	1.008	2822.	4706.	28.81	3.118	5.190	1778.
1000.	2.869	1.007	3133.	5225.	29.36	3.118	5.190	1872.
1100.	2.610	1.006	3445.	5744.	29.86	3.117	5.191	1962.
1200.	2.394	1.006	3756.	6263.	30.31	3.117	5.191	2049.
1300.	2.211	1.005	4068.	6782.	30.72	3.117	5.191	2131.
1400.	2.054	1.005	4380.	7301.	31.11	3.117	5.191	2211.
1500.	1.917	1.004	4691.	7820.	31.47	3.117	5.191	2288.

PRESSURE = 6.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M²/S]	PRANDTL
2.573	0.2532E-01	1.572	0.1436	0.7730E-01	0.7698E-01	12.94	0.9748E-07	0.6915
3.000	0.2821E-01	1.639	0.1434	0.7610E-01	0.3296E-01	11.03	0.9175E-07	0.6360
4.000	0.5425E-01	1.749	0.1507	0.7487E-01	0.3821E-01	9.880	0.8627E-07	0.6185
5.000	0.9103E-01	1.879	0.1635	0.7333E-01	0.4203E-01	8.399	0.7583E-07	0.6294
6.000	0.1329	1.897	0.1801	0.6962E-01	0.4631E-01	7.433	0.6859E-07	0.6548
8.000	0.2266	1.746	0.2224	0.6530E-01	0.4766E-01	6.777	0.6423E-07	0.6835
10.00	0.3299	1.564	0.2760	0.6090E-01	0.4751E-01	6.186	0.6206E-07	0.7245
12.00	0.4384	1.414	0.3395	0.5417E-01	0.4643E-01	5.837	0.6809E-07	0.7611
15.00	0.5961	1.245	0.4459	0.4421E-01	0.4552E-01	5.889	0.8281E-07	0.7604
20.00	0.7851	1.064	0.6078	0.3664E-01	0.4637E-01	6.108	0.1027E-06	0.7475
25.00	0.8688	0.9594	0.7116	0.3112E-01	0.4817E-01	6.706	0.1512E-06	0.7229
30.00	0.8978	0.8957	0.7710	0.2394E-01	0.5266E-01	7.345	0.2075E-06	0.7067
40.00	0.9085	0.8243	0.8302	0.1952E-01	0.5743E-01	7.973	0.2701E-06	0.6957
50.00	0.9089	0.7857	0.8598	0.1652E-01	0.6219E-01	9.168	0.4125E-06	0.6812
60.00	0.9103	0.7616	0.8788	0.1269E-01	0.7158E-01	10.29	0.5770E-06	0.6715
80.00	0.9169	0.7334	0.9037	0.1032E-01	0.8070E-01	11.37	0.7627E-06	0.6646
100.0	0.9251	0.7176	0.9202	0.8712E-02	0.8956E-01	12.41	0.9690E-06	0.6597
120.0	0.9330	0.7075	0.9321	0.7538E-02	0.9817E-01	13.43	0.1195E-05	0.6563
140.0	0.9399	0.7006	0.9412	0.6645E-02	0.1065	14.42	0.1441E-05	0.6540
160.0	0.9458	0.6956	0.9483	0.5941E-02	0.1147	15.43	0.1705E-05	0.6538
180.0	0.9509	0.6918	0.9540	0.5372E-02	0.1227	16.41	0.1987E-05	0.6535
200.0	0.9553	0.6888	0.9586	0.4903E-02	0.1304	17.36	0.2287E-05	0.6531
220.0	0.9590	0.6864	0.9625	0.4510E-02	0.1380	18.29	0.2604E-05	0.6526
240.0	0.9623	0.6845	0.9658	0.4174E-02	0.1455	19.20	0.2938E-05	0.6522
260.0	0.9651	0.6829	0.9686	0.3886E-02	0.1528	20.09	0.3289E-05	0.6517
280.0	0.9676	0.6815	0.9710	0.3634E-02	0.1599	22.24	0.4236E-05	0.6507
300.0	0.9698	0.6804	0.9731	0.3128E-02	0.1773	24.30	0.5281E-05	0.6498
350.0	0.9742	0.6781	0.9773	0.2745E-02	0.1940	28.21	0.7647E-05	0.6483
400.0	0.9777	0.6765	0.9804	0.2206E-02	0.2257	31.90	0.1036E-04	0.6473
500.0	0.9825	0.6742	0.9848	0.1583E-02	0.2843	35.42	0.1341E-04	0.6466
600.0	0.9857	0.6728	0.9877	0.1387E-02	0.3117	38.80	0.1678E-04	0.6461
700.0	0.9880	0.6718	0.9897	0.1234E-02	0.3381	42.06	0.2045E-04	0.6458
800.0	0.9897	0.6711	0.9912	0.1112E-02	0.3636	45.22	0.2442E-04	0.6455
900.0	0.9910	0.6705	0.9923	0.1011E-02	0.3884	48.29	0.2867E-04	0.6454
1000.	0.9921	0.6701	0.9932	0.9276E-03	0.4126	51.29	0.3320E-04	0.6453
1100.	0.9929	0.6698	0.9939	0.7958E-03	0.4592	57.07	0.4307E-04	0.6452
1200.	0.9936	0.6695	0.9945	0.7430E-03	0.4818	59.88	0.4840E-04	0.6452
1300.	0.9942	0.6692	0.9950	0.7430E-03	0.4818			
1400.	0.9947	0.6690	0.9954	0.7430E-03	0.4818			
1500.	0.9951	0.6689	0.9957	0.7430E-03	0.4818			

PRESSURE = 7.000 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	V SOUND [m/s]
M 2.796	199.0	6.059	7.024	42.21	1.566	1.086	1.146	499.1
3.000	198.6	5.657	7.188	42.44	1.645	1.083	1.143	500.4
4.000	196.5	4.286	8.226	43.84	2.046	1.531	1.666	502.3
5.000	193.8	3.478	9.604	45.73	2.464	1.809	2.091	503.5
6.000	190.4	2.950	11.25	48.02	2.882	2.042	2.510	501.8
8.000	182.1	2.314	15.43	53.88	3.718	2.453	3.329	490.5
10.00	172.5	1.953	20.68	61.26	4.539	2.754	4.032	475.1
12.00	162.4	1.730	26.80	69.91	5.326	2.954	4.600	460.2
15.00	146.9	1.529	37.07	84.72	6.425	3.128	5.228	442.3
20.00	123.2	1.368	55.64	112.5	8.018	3.248	5.784	427.4
25.00	104.0	1.296	74.54	141.9	9.329	3.282	5.923	428.5
30.00	89.35	1.257	93.07	171.4	10.41	3.284	5.883	438.6
40.00	69.56	1.211	128.7	229.4	12.07	3.262	5.703	468.5
50.00	57.08	1.181	163.0	285.6	13.33	3.238	5.554	501.1
60.00	48.52	1.158	196.3	340.6	14.33	3.217	5.452	533.1
80.00	37.46	1.124	261.5	448.3	15.88	3.189	5.334	592.8
100.0	30.59	1.102	325.5	554.4	17.07	3.171	5.275	647.4
120.0	25.87	1.085	388.9	659.5	18.03	3.160	5.242	697.8
140.0	22.43	1.073	452.0	764.1	18.83	3.151	5.223	744.9
160.0	19.80	1.064	514.9	868.5	19.53	3.146	5.211	789.3
180.0	17.72	1.056	577.6	972.6	20.14	3.141	5.203	831.3
200.0	16.04	1.050	640.3	1077.	20.69	3.138	5.198	871.4
220.0	14.65	1.045	702.8	1181.	21.19	3.135	5.195	909.7
240.0	13.49	1.041	765.3	1284.	21.64	3.133	5.192	946.5
260.0	12.49	1.038	827.8	1388.	22.05	3.131	5.191	982.0
280.0	11.63	1.035	890.2	1492.	22.44	3.129	5.189	1016.
300.0	10.88	1.032	952.6	1596.	22.80	3.128	5.189	1049.
350.0	9.375	1.027	1109.	1855.	23.60	3.126	5.187	1128.
400.0	8.234	1.023	1264.	2115.	24.29	3.124	5.187	1202.
500.0	6.621	1.018	1576.	2633.	25.45	3.122	5.187	1337.
600.0	5.536	1.014	1888.	3152.	26.39	3.120	5.188	1460.
700.0	4.757	1.012	2199.	3671.	27.19	3.119	5.188	1574.
800.0	4.169	1.010	2511.	4190.	27.88	3.119	5.189	1680.
900.0	3.711	1.009	2822.	4709.	28.49	3.118	5.189	1780.
1000.	3.343	1.008	3134.	5228.	29.04	3.118	5.190	1874.
1100.	3.042	1.007	3445.	5747.	29.54	3.118	5.190	1964.
1200.	2.790	1.006	3757.	6266.	29.99	3.117	5.190	2050.
1300.	2.577	1.006	4068.	6785.	30.40	3.117	5.191	2133.
1400.	2.394	1.005	4380.	7304.	30.79	3.117	5.191	2213.
1500.	2.235	1.005	4691.	7823.	31.15	3.117	5.191	2289.

PRESSURE = 7.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_T$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THERM [m ² /s]	PRANDTL
2.796	0.2660E-01	2.068	0.1490	0.7893E-01	14.83	0.1052E-06	0.7173	
3.000	0.2756E-01	2.012	0.1486	0.7877E-01	12.40	0.9906E-07	0.6457	
4.000	0.4828E-01	1.828	0.1536	0.7795E-01	0.3444E-01	11.01	0.9289E-07	0.6225
5.000	0.8027E-01	1.946	0.1647	0.7683E-01	0.4015E-01	9.281	0.8142E-07	0.6261
6.000	0.1170	1.957	0.1794	0.7544E-01	0.4438E-01	8.173	0.7357E-07	0.6439
8.000	0.1988	1.796	0.2169	0.7207E-01	0.4935E-01	7.417	0.6869E-07	0.6651
10.00	0.2879	1.612	0.2632	0.6822E-01	0.5118E-01	6.715	0.6542E-07	0.6988
12.00	0.3810	1.462	0.3170	0.6412E-01	0.5130E-01	6.238	0.6846E-07	0.7399
15.00	0.5187	1.294	0.4071	0.5791E-01	0.5024E-01	5.207	0.7955E-07	0.7505
20.00	0.7030	1.110	0.5540	0.4841E-01	0.4876E-01	6.374	0.9584E-07	0.7443
25.00	0.8058	0.9991	0.6618	0.4078E-01	0.4899E-01	6.917	0.1374E-06	0.7237
30.00	0.8524	0.9288	0.7298	0.3498E-01	0.5038E-01	7.529	0.1864E-06	0.7075
40.00	0.8817	0.8484	0.8014	0.2717E-01	0.5451E-01	8.140	0.2410E-06	0.6861
50.00	0.8895	0.8044	0.8376	0.2226E-01	0.5910E-01	9.313	0.3650E-06	0.6810
60.00	0.8942	0.7768	0.8604	0.1890E-01	0.6375E-01	10.42	0.5077E-06	0.6711
80.00	0.9039	0.7443	0.8894	0.1458E-01	0.7295E-01	11.48	0.6684E-06	0.6641
100.0	0.9137	0.7260	0.9082	0.1169E-01	0.8192E-01	12.51	0.8465E-06	0.6591
120.0	0.9228	0.7143	0.9218	0.1005E-01	0.9065E-01	13.52	0.1041E-05	0.6556
140.0	0.9307	0.7063	0.9321	0.8712E-02	0.9916E-01	14.50	0.1253E-05	0.6531
160.0	0.9375	0.7004	0.9402	0.7688E-02	0.1074	15.50	0.1480E-05	0.6528
180.0	0.9433	0.6960	0.9467	0.6880E-02	0.1155	16.47	0.1723E-05	0.6523
200.0	0.9482	0.6925	0.9521	0.6227E-02	0.1234	18.33	0.1981E-05	0.6518
220.0	0.9525	0.6898	0.9566	0.5686E-02	0.1312	19.23	0.2254E-05	0.6512
240.0	0.9563	0.6875	0.9603	0.5233E-02	0.1387	20.11	0.2541E-05	0.6506
260.0	0.9595	0.6856	0.9635	0.4846E-02	0.1461	22.24	0.2843E-05	0.6501
280.0	0.9624	0.6840	0.9663	0.4512E-02	0.1534	24.28	0.3657E-05	0.6487
300.0	0.9649	0.6827	0.9687	0.4222E-02	0.1605	26.83	0.4554E-05	0.6476
350.0	0.9701	0.6800	0.9736	0.3636E-02	0.1778	29.62	0.6586E-05	0.6458
400.0	0.9740	0.6781	0.9772	0.3193E-02	0.1945	31.82	0.8919E-05	0.6445
500.0	0.9795	0.6755	0.9823	0.2567E-02	0.2262	35.32	0.1154E-04	0.6436
600.0	0.9834	0.6738	0.9856	0.2146E-02	0.2562	38.67	0.1443E-04	0.6430
700.0	0.9861	0.6727	0.9880	0.1844E-02	0.2847	41.91	0.1758E-04	0.6426
800.0	0.9880	0.6718	0.9897	0.1615E-02	0.3121	45.05	0.2098E-04	0.6423
900.0	0.9896	0.6712	0.9910	0.1438E-02	0.3385	48.10	0.2463E-04	0.6421
1000.	0.9908	0.6707	0.9920	0.1295E-02	0.3640	51.08	0.2852E-04	0.6420
1100.	0.9917	0.6703	0.9929	0.1179E-02	0.3888	53.99	0.3264E-04	0.6419
1200.	0.9925	0.6699	0.9935	0.1081E-02	0.4130	56.83	0.3698E-04	0.6419
1300.	0.9932	0.6697	0.9941	0.9987E-03	0.4365	59.62	0.4155E-04	0.6419
1400.	0.9938	0.6694	0.9946	0.9278E-03	0.4596			
1500.	0.9942	0.6692	0.9950	0.8663E-03	0.4821			

PRESSURE = 8.000 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
M 3.007	202.6	6.321	7.808	47.29	1.602	1.092	1.161	523.0
4.000	200.6	4.799	8.775	48.65	1.981	1.466	1.590	526.0
5.000	198.1	3.888	10.06	50.44	2.386	1.743	1.896	528.0
6.000	195.0	3.292	11.61	52.64	2.786	1.988	2.407	526.8
8.000	187.3	2.570	15.57	58.27	3.591	2.422	3.213	516.2
10.00	178.6	2.157	20.61	65.41	4.385	2.739	3.800	501.4
12.00	169.2	1.897	26.50	73.78	5.146	2.950	4.450	486.9
15.00	154.8	1.658	36.43	88.11	6.209	3.135	5.062	469.0
20.00	132.2	1.456	54.57	115.1	7.757	3.262	5.644	452.3
25.00	113.3	1.360	73.28	143.9	9.043	3.297	5.847	450.0
30.00	98.25	1.307	91.80	173.2	10.11	3.300	5.857	457.1
40.00	77.28	1.246	127.6	231.2	11.78	3.277	5.717	483.1
50.00	63.75	1.208	162.1	287.6	13.04	3.251	5.576	513.6
60.00	54.36	1.181	195.6	342.8	14.05	3.229	5.473	544.2
80.00	42.15	1.142	261.1	450.9	15.60	3.198	5.349	602.2
100.0	34.51	1.116	325.3	557.2	16.79	3.178	5.285	655.7
120.0	29.24	1.097	388.9	662.5	17.75	3.165	5.249	705.4
140.0	25.39	1.084	452.1	767.2	18.56	3.156	5.227	751.8
160.0	22.44	1.073	515.0	871.6	19.25	3.149	5.214	795.7
180.0	20.10	1.064	577.8	975.8	19.87	3.144	5.205	837.3
200.0	18.21	1.058	640.5	1080.	20.41	3.141	5.199	877.0
220.0	16.64	1.052	703.1	1184.	20.91	3.137	5.195	915.0
240.0	15.32	1.047	765.6	1288.	21.36	3.135	5.192	951.6
260.0	14.20	1.043	828.1	1391.	21.78	3.133	5.190	986.8
280.0	13.23	1.040	890.5	1495.	22.16	3.131	5.189	1021.
300.0	12.38	1.037	953.0	1599.	22.52	3.130	5.188	1054.
350.0	10.67	1.031	1109.	1858.	23.32	3.127	5.187	1132.
400.0	9.380	1.026	1265.	2118.	24.01	3.125	5.186	1206.
500.0	7.548	1.020	1576.	2636.	25.17	3.122	5.187	1340.
600.0	6.314	1.017	1888.	3155.	26.11	3.121	5.187	1463.
700.0	5.427	1.014	2200.	3674.	26.91	3.120	5.188	1577.
800.0	4.758	1.012	2511.	4193.	27.61	3.118	5.188	1682.
900.0	4.235	1.010	2823.	4711.	28.22	3.119	5.189	1782.
1000.	3.816	1.009	3134.	5230.	28.76	3.118	5.189	1876.
1100.	3.473	1.008	3446.	5749.	29.26	3.118	5.190	1966.
1200.	3.186	1.007	3757.	6268.	29.71	3.118	5.190	2052.
1300.	2.943	1.007	4069.	6787.	30.13	3.117	5.190	2135.
1400.	2.734	1.006	4380.	7306.	30.51	3.117	5.190	2214.
1500.	2.553	1.006	4692.	7825.	30.87	3.117	5.191	2291.

TEMP [K]				PRESSURE = 8.000		[MPa]		THDIFF [M ² /S]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial E}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]			
3.007	0.2831E-01	2.218	0.1534	0.8041E-01	0.3584E-01	16.85	0.1124E-06	0.7476	
4.000	0.4404E-01	1.917	0.1562	0.7961E-01	0.4197E-01	13.82	0.1062E-06	0.6574	
5.000	0.7201E-01	2.012	0.1658	0.7858E-01	0.4659E-01	12.17	0.9929E-07	0.6285	
6.000	0.1047	2.013	0.1790	0.7731E-01	0.5221E-01	10.17	0.8673E-07	0.6260	
8.000	0.1775	1.840	0.2126	0.7422E-01	0.5451E-01	8.912	0.7828E-07	0.6376	
10.00	0.2564	1.653	0.2537	0.7066E-01	0.5491E-01	8.051	0.7294E-07	0.6524	
12.00	0.3384	1.502	0.3008	0.6688E-01	0.5491E-01				
15.00	0.4607	1.335	0.3793	0.6109E-01	0.5395E-01	7.237	0.6885E-07	0.6789	
20.00	0.6350	1.150	0.5119	0.5204E-01	0.5206E-01	6.634	0.6975E-07	0.7193	
25.00	0.7473	1.035	0.6186	0.4447E-01	0.5168E-01	6.523	0.7804E-07	0.7380	
30.00	0.8073	0.9599	0.6918	0.3851E-01	0.5263E-01	6.639	0.9147E-07	0.7388	
40.00	0.8540	0.8716	0.7737	0.3021E-01	0.5631E-01	7.127	0.1275E-06	0.7236	
50.00	0.8695	0.8226	0.8160	0.2488E-01	0.6072E-01	7.712	0.1708E-06	0.7083	
60.00	0.8780	0.7917	0.8424	0.2120E-01	0.6526E-01	8.306	0.2193E-06	0.6967	
80.00	0.8910	0.7551	0.8754	0.1641E-01	0.7428E-01	9.458	0.3294E-06	0.6811	
100.0	0.9026	0.7344	0.8966	0.1342E-01	0.8311E-01	10.55	0.4557E-06	0.6709	
120.0	0.9128	0.7211	0.9118	0.1137E-01	0.9173E-01	11.60	0.5976E-06	0.6637	
140.0	0.9217	0.7120	0.9233	0.9865E-02	0.1001	12.62	0.7546E-06	0.6585	
160.0	0.9293	0.7053	0.9323	0.8715E-02	0.1083	13.61	0.9262E-06	0.6549	
180.0	0.9358	0.7002	0.9396	0.7806E-02	0.1164	14.58	0.1112E-05	0.6523	
200.0	0.9414	0.6963	0.9456	0.7070E-02	0.1242	15.57	0.1312E-05	0.6518	
220.0	0.9462	0.6931	0.9507	0.6460E-02	0.1319	16.53	0.1525E-05	0.6512	
240.0	0.9504	0.6905	0.9549	0.5948E-02	0.1394	17.46	0.1752E-05	0.6505	
260.0	0.9540	0.6884	0.9585	0.5510E-02	0.1468	18.37	0.1991E-05	0.6498	
280.0	0.9572	0.6866	0.9617	0.5133E-02	0.1540	19.27	0.2243E-05	0.6491	
300.0	0.9601	0.6850	0.9644	0.4804E-02	0.1611	20.14	0.2508E-05	0.6484	
350.0	0.9659	0.6820	0.9699	0.4141E-02	0.1784	22.25	0.3222E-05	0.6468	
400.0	0.9704	0.6798	0.9740	0.3638E-02	0.1950	24.27	0.4009E-05	0.6454	
500.0	0.9768	0.6768	0.9798	0.2927E-02	0.2267	28.11	0.5790E-05	0.6433	
600.0	0.9810	0.6749	0.9836	0.2448E-02	0.2566	31.75	0.7834E-05	0.6417	
700.0	0.9841	0.6736	0.9862	0.2104E-02	0.2851	35.21	0.1013E-04	0.6407	
800.0	0.9863	0.6726	0.9882	0.1844E-02	0.3125	38.54	0.1266E-04	0.6399	
900.0	0.9881	0.6718	0.9897	0.1642E-02	0.3389	41.76	0.1542E-04	0.6394	
1000.	0.9894	0.6713	0.9909	0.1479E-02	0.3644	44.88	0.1840E-04	0.6391	
1100.	0.9905	0.6708	0.9918	0.1346E-02	0.3892	47.91	0.2160E-04	0.6388	
1200.	0.9915	0.6704	0.9926	0.1235E-02	0.4134	50.87	0.2500E-04	0.6387	
1300.	0.9922	0.6701	0.9933	0.1140E-02	0.4369	53.76	0.2861E-04	0.6386	
1400.	0.9929	0.6698	0.9938	0.1060E-02	0.4600	56.59	0.3241E-04	0.6386	
1500.	0.9934	0.6696	0.9943	0.9893E-03	0.4825	59.36	0.3641E-04	0.6386	

PRESSURE = 9.000 [MPa]

M	TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	V_SOUND [m/s]
	3.210	206.0	6.553	8.588	52.29	1.634	1.153	1.232	545.1
	4.000	204.4	5.299	9.342	53.37	1.935	1.413	1.530	548.2
	5.000	202.0	4.289	10.55	55.09	2.318	1.684	1.914	550.9
	6.000	199.1	3.626	12.01	57.21	2.702	1.938	2.317	550.0
	8.000	192.1	2.820	15.79	62.65	3.480	2.392	3.114	539.9
	10.00	183.9	2.356	20.64	69.58	4.250	2.725	3.790	525.5
	12.00	175.2	2.061	26.34	77.72	4.991	2.946	4.329	511.4
	15.00	161.7	1.786	36.00	91.66	6.025	3.140	4.927	493.6
	20.00	140.2	1.546	53.75	118.0	7.534	3.274	5.521	475.6
	25.00	121.5	1.426	72.25	146.3	8.798	3.312	5.768	470.9
	30.00	106.4	1.358	90.71	175.3	9.856	3.315	5.820	475.4
	40.00	84.52	1.282	126.6	233.1	11.52	3.292	5.722	497.7
	50.00	70.10	1.236	161.3	289.7	12.78	3.264	5.593	526.0
	60.00	59.97	1.204	195.0	345.1	13.79	3.240	5.491	555.2
	80.00	46.69	1.160	260.7	453.5	15.35	3.206	5.363	611.6
	100.0	38.32	1.131	325.2	560.0	16.54	3.185	5.294	664.0
	120.0	32.54	1.110	388.9	665.5	17.50	3.171	5.255	712.9
	140.0	28.29	1.094	452.2	770.3	18.31	3.161	5.231	758.7
	160.0	25.03	1.082	515.2	874.8	19.01	3.153	5.216	802.1
	180.0	22.45	1.072	578.0	979.0	19.62	3.148	5.207	843.3
	200.0	20.35	1.065	640.7	1083.	20.17	3.143	5.200	882.6
	220.0	18.61	1.058	703.3	1187.	20.67	3.140	5.195	920.3
	240.0	17.14	1.053	765.9	1291.	21.12	3.137	5.192	956.6
	260.0	15.89	1.049	828.4	1395.	21.53	3.135	5.190	991.6
	280.0	14.81	1.045	890.9	1498.	21.92	3.133	5.189	1025.
	300.0	13.87	1.041	953.3	1602.	22.28	3.131	5.188	1058.
	350.0	11.96	1.035	1109.	1862.	23.08	3.128	5.186	1136.
	400.0	10.52	1.030	1265.	2121.	23.77	3.126	5.186	1209.
	500.0	8.470	1.023	1577.	2639.	24.92	3.123	5.186	1344.
	600.0	7.089	1.019	1888.	3158.	25.87	3.122	5.186	1466.
	700.0	6.095	1.016	2200.	3677.	26.67	3.120	5.187	1579.
	800.0	5.345	1.013	2512.	4195.	27.36	3.120	5.188	1685.
	900.0	4.759	1.012	2823.	4714.	27.97	3.119	5.188	1784.
	1000.	4.289	1.010	3135.	5233.	28.52	3.119	5.189	1878.
	1100.	3.903	1.009	3446.	5752.	29.02	3.118	5.189	1968.
	1200.	3.581	1.008	3758.	6271.	29.47	3.118	5.190	2054.
	1300.	3.308	1.008	4069.	6790.	29.88	3.118	5.190	2136.
	1400.	3.073	1.007	4381.	7309.	30.27	3.117	5.190	2216.
	1500.	2.870	1.006	4692.	7828.	30.62	3.117	5.190	2292.

PRESSURE = 9.000 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M²/S]	PRANDTL
3.210	0.3022E-01	2.270	0.1572	0.8177E-01				
4.000	0.4107E-01	2.017	0.1586	0.8114E-01	0.3717E-01	19.03	0.1188E-06	0.7835
5.000	0.6554E-01	2.079	0.1668	0.8018E-01	0.4370E-01	15.32	0.1130E-06	0.6709
6.000	0.9490E-01	2.065	0.1787	0.7900E-01	0.4869E-01	13.36	0.1055E-06	0.6361
8.000	0.1606	1.879	0.2093	0.7613E-01	0.5493E-01	11.08	0.9184E-07	0.6279
10.00	0.2316	1.688	0.2465	0.7282E-01	0.5770E-01	9.656	0.8278E-07	0.6342
12.00	0.3053	1.537	0.2887	0.6929E-01	0.5840E-01	8.685	0.7702E-07	0.6437
15.00	0.4155	1.370	0.3585	0.6386E-01	0.5758E-01	7.753	0.7228E-07	0.6634
20.00	0.5787	1.186	0.4786	0.5521E-01	0.5538E-01	7.025	0.7156E-07	0.7004
25.00	0.6946	1.068	0.5817	0.4777E-01	0.5446E-01	6.836	0.7767E-07	0.7241
30.00	0.7641	0.9889	0.6574	0.4173E-01	0.5494E-01	6.902	0.8874E-07	0.7312
40.00	0.8260	0.8939	0.7473	0.3307E-01	0.5810E-01	7.335	0.1201E-06	0.7225
50.00	0.8493	0.8403	0.7952	0.2738E-01	0.6229E-01	7.893	0.1589E-06	0.7088
60.00	0.8616	0.8063	0.8250	0.2340E-01	0.6671E-01	8.471	0.2026E-06	0.6973
80.00	0.8783	0.7658	0.8619	0.1819E-01	0.7557E-01	9.601	0.3018E-06	0.6813
100.0	0.8917	0.7427	0.8853	0.1491E-01	0.8428E-01	10.68	0.4154E-06	0.6708
120.0	0.9031	0.7279	0.9020	0.1265E-01	0.9227E-01	11.71	0.5426E-06	0.6634
140.0	0.9129	0.7176	0.9147	0.1100E-01	0.1011	12.72	0.6831E-06	0.6580
160.0	0.9213	0.7101	0.9246	0.9725E-02	0.1092	13.70	0.8366E-06	0.6543
180.0	0.9284	0.7045	0.9327	0.8719E-02	0.1172	14.66	0.1003E-05	0.6515
200.0	0.9346	0.7000	0.9393	0.7902E-02	0.1250	15.64	0.1181E-05	0.6509
220.0	0.9399	0.6965	0.9448	0.7225E-02	0.1326	16.59	0.1371E-05	0.6501
240.0	0.9445	0.6936	0.9495	0.6655E-02	0.1401	17.51	0.1573E-05	0.6493
260.0	0.9486	0.6911	0.9536	0.6169E-02	0.1474	18.42	0.1787E-05	0.6485
280.0	0.9521	0.6891	0.9570	0.5746E-02	0.1546	19.30	0.2012E-05	0.6476
300.0	0.9553	0.6874	0.9601	0.5382E-02	0.1617	20.16	0.2247E-05	0.6468
350.0	0.9618	0.6839	0.9662	0.4641E-02	0.1789	22.25	0.2884E-05	0.6449
400.0	0.9668	0.6814	0.9708	0.4080E-02	0.1955	24.25	0.3585E-05	0.6433
500.0	0.9739	0.6781	0.9773	0.3285E-02	0.2271	28.06	0.5171E-05	0.6408
600.0	0.9787	0.6759	0.9815	0.2749E-02	0.2570	31.67	0.6991E-05	0.6390
700.0	0.9821	0.6744	0.9845	0.2363E-02	0.2855	35.11	0.9032E-05	0.6378
800.0	0.9846	0.6733	0.9867	0.2072E-02	0.3129	38.41	0.1128E-04	0.6369
900.0	0.9866	0.6725	0.9884	0.1845E-02	0.3393	41.61	0.1374E-04	0.6363
1000.	0.9881	0.6719	0.9897	0.1652E-02	0.3648	44.70	0.1639E-04	0.6359
1100.	0.9894	0.6713	0.9908	0.1513E-02	0.3896	47.72	0.1924E-04	0.6356
1200.	0.9904	0.6709	0.9917	0.1388E-02	0.4137	50.66	0.2226E-04	0.6354
1300.	0.9912	0.6705	0.9924	0.1282E-02	0.4373	53.53	0.2547E-04	0.6353
1400.	0.9920	0.6702	0.9930	0.1191E-02	0.4603	56.35	0.2886E-04	0.6353
1500.	0.9926	0.6700	0.9936	0.1112E-02	0.4829	59.11	0.3242E-04	0.6353

PRESSURE = 10.00 [MPa]								
TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	V SOUND [m/s]
M 3.407	209.0	6.760	9.368	57.20	1.664	1.213	1.303	566.1
4.000	207.9	5.790	9.923	58.03	1.887	1.373	1.487	569.0
5.000	205.6	4.682	11.06	59.69	2.256	1.632	1.844	572.2
6.000	202.9	3.954	12.45	61.73	2.627	1.892	2.239	571.7
8.000	196.3	3.065	16.07	67.01	3.381	2.365	3.029	562.0
10.00	188.7	2.551	20.76	73.76	4.131	2.711	3.696	548.0
12.00	180.5	2.223	26.30	81.71	4.854	2.942	4.226	534.1
15.00	167.8	1.913	35.71	95.32	5.864	3.145	4.815	516.4
20.00	147.2	1.635	53.13	121.1	7.341	3.286	5.413	497.6
25.00	129.0	1.493	71.41	148.9	8.583	3.326	5.691	491.0
30.00	113.8	1.410	89.78	177.6	9.631	3.329	5.777	493.3
40.00	91.33	1.318	125.8	235.3	11.29	3.305	5.721	512.2
50.00	76.14	1.265	160.6	291.9	12.55	3.276	5.605	538.4
60.00	65.36	1.228	194.4	347.4	13.57	3.251	5.506	566.3
80.00	51.09	1.178	260.4	456.1	15.13	3.215	5.376	620.9
100.0	42.05	1.145	325.0	562.8	16.32	3.192	5.303	672.3
120.0	35.77	1.122	388.8	668.4	17.28	3.176	5.261	720.4
140.0	31.14	1.104	452.2	773.4	18.09	3.165	5.235	765.6
160.0	27.58	1.091	515.3	877.9	18.79	3.157	5.219	808.5
180.0	24.75	1.080	578.2	982.2	19.40	3.151	5.208	849.2
200.0	22.46	1.072	641.0	1086.	19.95	3.146	5.201	888.2
220.0	20.55	1.065	703.6	1190.	20.45	3.142	5.196	925.6
240.0	18.94	1.059	766.2	1294.	20.90	3.139	5.193	961.6
260.0	17.57	1.054	828.7	1398.	21.32	3.137	5.190	996.4
280.0	16.38	1.050	891.2	1502.	21.70	3.135	5.188	1030.
300.0	15.34	1.046	953.6	1605.	22.06	3.133	5.187	1063.
350.0	13.24	1.039	1110.	1865.	22.86	3.130	5.185	1140.
400.0	11.65	1.033	1266.	2124.	23.55	3.127	5.185	1213.
500.0	9.387	1.026	1577.	2643.	24.71	3.124	5.185	1347.
600.0	7.860	1.021	1889.	3161.	25.65	3.122	5.186	1469.
700.0	6.760	1.017	2200.	3680.	26.45	3.121	5.186	1582.
800.0	5.930	1.015	2512.	4198.	27.14	3.120	5.187	1687.
900.0	5.281	1.013	2823.	4717.	27.76	3.119	5.188	1786.
1000.	4.760	1.011	3135.	5236.	28.30	3.119	5.188	1880.
1100.	4.332	1.010	3446.	5755.	28.80	3.118	5.189	1970.
1200.	3.975	1.009	3758.	6274.	29.25	3.118	5.189	2056.
1300.	3.672	1.008	4069.	6793.	29.66	3.118	5.189	2138.
1400.	3.412	1.008	4381.	7312.	30.05	3.118	5.190	2217.
1500.	3.187	1.007	4692.	7831.	30.41	3.117	5.190	2294.

PRESSURE = 10.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
3.407	0.3217E-01	2.322	0.1604	0.8303E-01				
4.000	0.3911E-01	2.129	0.1609	0.8255E-01	0.3844E-01	21.37	0.1243E-06	0.8268
5.000	0.6041E-01	2.146	0.1678	0.8164E-01	0.4535E-01	16.89	0.1196E-06	0.6866
6.000	0.8690E-01	2.114	0.1785	0.8053E-01	0.5069E-01	14.60	0.1116E-06	0.6450
8.000	0.1468	1.913	0.2066	0.7785E-01	0.5754E-01	12.00	0.9677E-07	0.6315
10.00	0.2115	1.719	0.2406	0.7476E-01	0.6076E-01	10.41	0.8712E-07	0.6331
12.00	0.2786	1.567	0.2790	0.7144E-01	0.6176E-01	9.321	0.8097E-07	0.6378
15.00	0.3793	1.441	0.3422	0.6630E-01	0.6113E-01	8.268	0.7568E-07	0.6513
20.00	0.5320	1.217	0.4519	0.5804E-01	0.5872E-01	7.413	0.7368E-07	0.6834
25.00	0.6478	1.098	0.5501	0.5075E-01	0.5730E-01	7.145	0.7805E-07	0.7096
30.00	0.7236	1.016	0.6265	0.4469E-01	0.5731E-01	7.162	0.8717E-07	0.7219
40.00	0.7983	0.9113	0.7223	0.3577E-01	0.5990E-01	7.541	0.1147E-06	0.7202
50.00	0.8290	0.8576	0.7751	0.2976E-01	0.6383E-01	8.072	0.1496E-06	0.7088
60.00	0.8454	0.8216	0.8081	0.2552E-01	0.6812E-01	8.635	0.1893E-06	0.6979
80.00	0.8658	0.7763	0.8488	0.1991E-01	0.7683E-01	9.744	0.2797E-06	0.6817
100.0	0.8810	0.7509	0.8743	0.1637E-01	0.8542E-01	10.81	0.3831E-06	0.6708
120.0	0.8937	0.7346	0.8925	0.1391E-01	0.9382E-01	11.83	0.4986E-06	0.6632
140.0	0.9043	0.7223	0.9062	0.1211E-01	0.1020	12.82	0.6260E-06	0.6576
160.0	0.9134	0.7110	0.9171	0.1072E-01	0.1101	13.79	0.7649E-06	0.6537
180.0	0.9212	0.7087	0.9258	0.9618E-02	0.1180	14.74	0.9151E-06	0.6507
200.0	0.9279	0.7038	0.9331	0.8723E-02	0.1257	15.71	0.1076E-05	0.6500
220.0	0.9337	0.6998	0.9391	0.7981E-02	0.1333	16.65	0.1248E-05	0.6491
240.0	0.9388	0.6966	0.9442	0.7355E-02	0.1407	17.56	0.1431E-05	0.6481
260.0	0.9432	0.6999	0.9487	0.6820E-02	0.1480	18.46	0.1623E-05	0.6471
280.0	0.9471	0.6916	0.9525	0.6358E-02	0.1552	19.33	0.1826E-05	0.6462
300.0	0.9506	0.6887	0.9558	0.5954E-02	0.1623	20.18	0.2039E-05	0.6452
350.0	0.9577	0.6819	0.9626	0.5138E-02	0.1794	22.25	0.2613E-05	0.6431
400.0	0.9632	0.6831	0.9676	0.4519E-02	0.1960	24.24	0.3245E-05	0.6412
500.0	0.9711	0.6794	0.9748	0.3641E-02	0.2276	28.01	0.4675E-05	0.6384
600.0	0.9763	0.6770	0.9795	0.3048E-02	0.2574	31.59	0.6315E-05	0.6363
700.0	0.9801	0.6743	0.9828	0.2621E-02	0.2859	35.00	0.8155E-05	0.6349
800.0	0.9829	0.6741	0.9852	0.2299E-02	0.3132	38.28	0.1018E-04	0.6339
900.0	0.9851	0.6722	0.9871	0.2047E-02	0.3396	41.45	0.1240E-04	0.6332
1000.	0.9868	0.6724	0.9886	0.1845E-02	0.3651	44.53	0.1479E-04	0.6327
1100.	0.9882	0.6719	0.9898	0.1679E-02	0.3899	47.53	0.1735E-04	0.6324
1200.	0.9893	0.6714	0.9908	0.1541E-02	0.4141	50.45	0.2007E-04	0.6322
1300.	0.9903	0.6710	0.9916	0.1423E-02	0.4376	53.31	0.2296E-04	0.6321
1400.	0.9911	0.6706	0.9923	0.1322E-02	0.4607	56.11	0.2601E-04	0.6321
1500.	0.9918	0.6703	0.9929	0.1235E-02	0.4832	58.85	0.2922E-04	0.6321

PRESSURE = 12.00 [MPa]								
	TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]
M	3.785	214.6	7.113	10.92	66.84	1.718	1.296	1.410
	4.000	214.2	6.744	11.11	67.14	1.797	1.329	1.448
	5.000	212.1	5.449	12.13	68.72	2.148	1.548	1.735
	6.000	209.6	4.593	13.40	70.64	2.497	1.812	2.111
	8.000	203.8	3.544	16.76	75.65	3.212	2.313	2.885
	10.00	197.0	2.933	21.18	82.10	3.929	2.684	3.542
	12.00	189.6	2.539	26.45	89.73	4.622	2.933	4.061
	15.00	178.2	2.162	35.47	102.8	5.594	3.152	4.637
	20.00	159.3	1.814	52.30	127.7	7.019	3.307	5.235
	25.00	142.0	1.628	70.18	154.7	8.225	3.352	5.548
	30.00	127.0	1.517	88.34	182.8	9.250	3.356	5.684
	40.00	103.8	1.392	124.3	239.9	10.89	3.331	5.702
	50.00	87.40	1.322	159.3	296.6	12.16	3.299	5.617
	60.00	75.52	1.275	193.4	352.3	13.17	3.271	5.527
	80.00	59.51	1.213	259.8	461.4	14.74	3.231	5.397
	100.0	49.22	1.174	324.7	568.5	15.94	3.204	5.319
	120.0	42.02	1.146	388.8	674.4	16.90	3.186	5.272
	140.0	36.68	1.125	452.3	779.5	17.71	3.174	5.243
	160.0	32.56	1.109	515.6	884.2	18.41	3.164	5.224
	180.0	29.27	1.096	578.6	988.5	19.03	3.157	5.212
	200.0	26.59	1.086	641.4	1093.	19.58	3.152	5.203
	220.0	24.36	1.078	704.1	1197.	20.07	3.147	5.197
	240.0	22.48	1.071	766.8	1301.	20.52	3.144	5.193
	260.0	20.87	1.065	829.3	1404.	20.94	3.141	5.190
	280.0	19.47	1.060	891.8	1508.	21.32	3.138	5.188
	300.0	18.25	1.055	954.3	1612.	21.68	3.136	5.186
	350.0	15.77	1.046	1110.	1871.	22.48	3.132	5.184
	400.0	13.89	1.040	1266.	2130.	23.17	3.129	5.183
	500.0	11.21	1.031	1578.	2649.	24.33	3.126	5.184
	600.0	9.394	1.025	1890.	3167.	25.28	3.123	5.184
	700.0	8.084	1.021	2201.	3686.	26.07	3.122	5.185
	800.0	7.095	1.018	2513.	4204.	26.77	3.121	5.186
	900.0	6.321	1.016	2824.	4723.	27.38	3.120	5.187
	1000.	5.699	1.014	3136.	5241.	27.92	3.119	5.187
	1100.	5.188	1.012	3447.	5760.	28.42	3.119	5.188
	1200.	4.761	1.011	3759.	6279.	28.87	3.119	5.188
	1300.	4.399	1.010	4070.	6798.	29.29	3.118	5.189
	1400.	4.088	1.009	4382.	7317.	29.67	3.118	5.189
	1500.	3.819	1.009	4693.	7836.	30.03	3.118	5.189

PRESSURE = 12.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \gamma}{\partial P}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m^2 K]	VISC [μPa s]	THDIFF [m^2/s]	PRANDTL
3.785	0.3588E-01	2.466	0.1659	0.8529E-01	0.3897E-01	29.10	0.1288E-06	1.053
4.000	0.3754E-01	2.388	0.1657	0.8511E-01	0.4085E-01	26.62	0.1317E-06	0.9437
5.000	0.5306E-01	2.285	0.1698	0.8425E-01	0.4848E-01	20.26	0.1317E-06	0.7251
6.000	0.7476E-01	2.206	0.1785	0.8326E-01	0.5447E-01	17.20	0.1231E-06	0.6666
8.000	0.1255	1.971	0.2025	0.8088E-01	0.6246E-01	13.90	0.1062E-06	0.6421
10.00	0.1807	1.769	0.2319	0.7813E-01	0.6657E-01	11.94	0.9540E-07	0.6354
12.00	0.2380	1.617	0.2647	0.7515E-01	0.6818E-01	10.61	0.8853E-07	0.6318
15.00	0.3244	1.452	0.3183	0.7050E-01	0.6802E-01	9.300	0.8233E-07	0.6340
20.00	0.4592	1.270	0.4120	0.6287E-01	0.6540E-01	8.180	0.7844E-07	0.6548
25.00	0.5700	1.149	0.5003	0.5593E-01	0.6315E-01	7.755	0.8019E-07	0.6812
30.00	0.6515	1.065	0.5745	0.4994E-01	0.6227E-01	7.672	0.8627E-07	0.7004
40.00	0.7450	0.9555	0.6768	0.4069E-01	0.6359E-01	7.944	0.1075E-06	0.7123
50.00	0.7889	0.8906	0.7374	0.3421E-01	0.6690E-01	8.423	0.1363E-06	0.7072
60.00	0.8131	0.8483	0.7761	0.2952E-01	0.7087E-01	8.954	0.1698E-06	0.6984
80.00	0.8414	0.7969	0.8237	0.2322E-01	0.7926E-01	10.02	0.2468E-06	0.6825
100.0	0.8603	0.7672	0.8532	0.1918E-01	0.8763E-01	11.06	0.3347E-06	0.6711
120.0	0.8753	0.7479	0.8741	0.1636E-01	0.9585E-01	12.05	0.4326E-06	0.6629
140.0	0.8877	0.7345	0.8899	0.1427E-01	0.1039	13.02	0.5403E-06	0.6569
160.0	0.8983	0.7247	0.9024	0.1266E-01	0.1118	13.97	0.6574E-06	0.6526
180.0	0.9072	0.7172	0.9125	0.1138E-01	0.1196	14.90	0.7838E-06	0.6493
200.0	0.9150	0.7113	0.9209	0.1033E-01	0.1272	15.85	0.9192E-06	0.6482
220.0	0.9217	0.7066	0.9279	0.9466E-02	0.1347	16.77	0.1064E-05	0.6470
240.0	0.9276	0.7027	0.9339	0.8732E-02	0.1420	17.66	0.1217E-05	0.6458
260.0	0.9327	0.6995	0.9390	0.8104E-02	0.1493	18.54	0.1378E-05	0.6445
280.0	0.9373	0.6967	0.9435	0.7560E-02	0.1564	19.39	0.1548E-05	0.6433
300.0	0.9413	0.6944	0.9474	0.7085E-02	0.1634	20.23	0.1726E-05	0.6421
350.0	0.9497	0.6898	0.9553	0.6122E-02	0.1804	22.26	0.2207E-05	0.6395
400.0	0.9561	0.6865	0.9613	0.5389E-02	0.1969	24.20	0.2735E-05	0.6372
500.0	0.9654	0.6820	0.9698	0.4348E-02	0.2284	27.91	0.3931E-05	0.6336
600.0	0.9717	0.6791	0.9754	0.3643E-02	0.2582	31.43	0.5301E-05	0.6311
700.0	0.9762	0.6771	0.9793	0.3135E-02	0.2866	34.79	0.6838E-05	0.6293
800.0	0.9795	0.6756	0.9823	0.2751E-02	0.3139	38.02	0.8533E-05	0.6281
900.0	0.9821	0.6745	0.9845	0.2450E-02	0.3403	41.15	0.1038E-04	0.6272
1000.	0.9842	0.6736	0.9863	0.2209E-02	0.3658	44.19	0.1238E-04	0.6266
1100.	0.9858	0.6729	0.9877	0.2011E-02	0.3906	47.14	0.1451E-04	0.6262
1200.	0.9872	0.6723	0.9889	0.1846E-02	0.4147	50.03	0.1679E-04	0.6259
1300.	0.9883	0.6718	0.9899	0.1705E-02	0.4383	52.85	0.1920E-04	0.6258
1400.	0.9893	0.6714	0.9907	0.1585E-02	0.4613	55.62	0.2174E-04	0.6257
1500.	0.9901	0.6711	0.9914	0.1480E-02	0.4838	58.34	0.2442E-04	0.6257

PRESSURE = 14.00 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
M 4.146	219.5	7.406	12.44	76.23	1.762	1.346	1.484	642.2
5.000	217.7	6.191	13.25	77.56	2.054	1.488	1.664	646.1
6.000	215.5	5.213	14.42	79.39	2.387	1.746	2.011	646.5
8.000	210.2	4.008	17.57	84.18	3.070	2.267	2.769	638.2
10.00	204.1	3.303	21.78	90.39	3.760	2.659	3.418	625.3
12.00	197.4	2.846	26.83	97.76	4.431	2.922	3.931	612.2
15.00	186.9	2.404	35.54	110.5	5.373	3.157	4.498	595.0
20.00	169.3	1.990	51.89	134.6	6.756	3.325	5.094	574.6
25.00	152.9	1.763	69.40	161.0	7.933	3.375	5.425	563.7
30.00	138.3	1.625	87.32	188.6	8.938	3.381	5.592	560.4
40.00	114.8	1.468	123.1	245.1	10.56	3.354	5.669	568.7
50.00	97.67	1.380	158.2	301.5	11.82	3.320	5.816	587.2
60.00	84.92	1.323	192.5	357.3	12.84	3.290	5.540	608.8
80.00	67.45	1.249	259.2	466.8	14.42	3.246	5.414	657.8
100.0	56.05	1.202	324.4	574.2	15.61	3.216	5.333	705.0
120.0	48.01	1.170	388.7	680.3	16.58	3.196	5.283	750.1
140.0	42.02	1.146	452.5	785.6	17.39	3.182	5.251	792.9
160.0	37.37	1.127	515.8	890.4	18.09	3.172	5.230	833.9
180.0	33.66	1.112	578.9	994.8	18.71	3.164	5.215	873.0
200.0	30.62	1.101	641.8	1099.	19.26	3.157	5.205	910.6
220.0	28.09	1.091	704.6	1203.	19.75	3.152	5.198	946.8
240.0	25.94	1.083	767.3	1307.	20.21	3.148	5.194	981.8
260.0	24.10	1.076	829.9	1411.	20.62	3.145	5.190	1016.
280.0	22.50	1.070	892.5	1515.	21.01	3.142	5.187	1048.
300.0	21.10	1.064	955.0	1618.	21.36	3.139	5.186	1080.
350.0	18.27	1.054	1111.	1878.	22.16	3.135	5.183	1156.
400.0	16.10	1.047	1267.	2137.	22.86	3.132	5.182	1227.
500.0	13.01	1.036	1579.	2655.	24.01	3.127	5.182	1359.
600.0	10.91	1.029	1890.	3173.	24.96	3.125	5.183	1480.
700.0	9.399	1.024	2202.	3691.	25.76	3.123	5.184	1592.
800.0	8.253	1.021	2513.	4210.	26.45	3.122	5.185	1696.
900.0	7.355	1.018	2825.	4728.	27.06	3.121	5.186	1795.
1000.	6.633	1.016	3136.	5247.	27.60	3.120	5.186	1888.
1100.	6.040	1.014	3448.	5766.	28.10	3.119	5.187	1977.
1200.	5.544	1.013	3759.	6284.	28.55	3.119	5.188	2063.
1300.	5.124	1.012	4071.	6803.	28.97	3.119	5.188	2145.
1400.	4.762	1.011	4382.	7322.	29.35	3.118	5.188	2224.
1500.	4.449	1.010	4694.	7841.	29.71	3.118	5.189	2300.

PRESSURE = 14.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M²/S]	PRANDTL
4.146	0.3913E-01	2.623	0.1706	0.8728E-01	0.4445E-01	30.84	0.1365E-06	1.030
5.000	0.4851E-01	2.434	0.1722	0.8656E-01	0.5141E-01	23.99	0.1419E-06	0.7764
6.000	0.6619E-01	2.293	0.1790	0.8565E-01	0.5802E-01	20.01	0.1339E-06	0.6936
8.000	0.1098	2.018	0.1998	0.8349E-01	0.6707E-01	15.89	0.1152E-06	0.6562
10.00	0.1581	1.808	0.2256	0.8100E-01	0.7203E-01	13.53	0.1033E-06	0.6419
12.00	0.2083	1.656	0.2545	0.7828E-01	0.7427E-01	11.92	0.9573E-07	0.6311
15.00	0.2845	1.493	0.3015	0.7403E-01	0.7464E-01	10.34	0.8880E-07	0.6232
20.00	0.4053	1.313	0.3838	0.6693E-01	0.7204E-01	8.942	0.8352E-07	0.6323
25.00	0.5092	1.193	0.4632	0.6032E-01	0.6918E-01	8.354	0.8340E-07	0.6551
30.00	0.5912	1.107	0.5333	0.5446E-01	0.6747E-01	8.170	0.8725E-07	0.6772
40.00	0.6958	0.9921	0.6373	0.4509E-01	0.6746E-01	8.334	0.1036E-06	0.7004
50.00	0.7505	0.9216	0.7032	0.3828E-01	0.7002E-01	8.762	0.1276E-06	0.7028
60.00	0.7819	0.8747	0.7465	0.3323E-01	0.7359E-01	9.264	0.1554E-06	0.6974
80.00	0.8178	0.8170	0.8001	0.2634E-01	0.8159E-01	10.30	0.2234E-06	0.6832
100.0	0.8404	0.7832	0.8333	0.2186E-01	0.8975E-01	11.30	0.3002E-06	0.6716
120.0	0.8577	0.7611	0.8567	0.1871E-01	0.9780E-01	12.27	0.3856E-06	0.6628
140.0	0.8718	0.7457	0.8743	0.1636E-01	0.1057	13.21	0.4791E-06	0.6564
160.0	0.8837	0.7343	0.8883	0.1454E-01	0.1135	14.14	0.5807E-06	0.6516
180.0	0.8938	0.7257	0.8996	0.1309E-01	0.1211	15.05	0.6900E-06	0.6480
200.0	0.9025	0.7188	0.9090	0.1191E-01	0.1286	15.98	0.8071E-06	0.6465
220.0	0.9100	0.7133	0.9170	0.1092E-01	0.1360	16.88	0.9317E-06	0.6450
240.0	0.9166	0.7088	0.9237	0.1008E-01	0.1433	17.76	0.1064E-05	0.6435
260.0	0.9225	0.7051	0.9296	0.9363E-02	0.1505	18.61	0.1203E-05	0.6420
280.0	0.9276	0.7019	0.9347	0.8741E-02	0.1575	19.45	0.1349E-05	0.6405
300.0	0.9322	0.6991	0.9391	0.8197E-02	0.1645	20.27	0.1503E-05	0.6391
350.0	0.9417	0.6938	0.9482	0.7092E-02	0.1814	22.26	0.1916E-05	0.6359
400.0	0.9491	0.6899	0.9551	0.6249E-02	0.1978	24.17	0.2371E-05	0.6332
500.0	0.9598	0.6846	0.9648	0.5048E-02	0.2291	27.81	0.3399E-05	0.6289
600.0	0.9671	0.6812	0.9713	0.4234E-02	0.2589	31.27	0.4576E-05	0.6259
700.0	0.9723	0.6788	0.9759	0.3645E-02	0.2873	34.57	0.5896E-05	0.6238
800.0	0.9761	0.6771	0.9793	0.3200E-02	0.3146	37.76	0.7352E-05	0.6223
900.0	0.9791	0.6758	0.9819	0.2852E-02	0.3409	40.84	0.8939E-05	0.6213
1000.	0.9815	0.6748	0.9840	0.2572E-02	0.3664	43.84	0.1065E-04	0.6205
1100.	0.9835	0.6740	0.9857	0.2342E-02	0.3912	46.76	0.1249E-04	0.6200
1200.	0.9850	0.6733	0.9870	0.2149E-02	0.4153	49.61	0.1444E-04	0.6197
1300.	0.9864	0.6727	0.9882	0.1986E-02	0.4389	52.41	0.1651E-04	0.6195
1400.	0.9875	0.6722	0.9891	0.1846E-02	0.4619	55.14	0.1869E-04	0.6194
1500.	0.9885	0.6718	0.9900	0.1724E-02	0.4844	57.83	0.2099E-04	0.6194

PRESSURE = 16.00 [MPa]								
	TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]
M	4.494	223.9	7.657	13.94	85.41	1.800	1.386	1.546
	5.000	222.8	6.914	14.40	86.21	1.968	1.454	1.628
	6.000	220.7	5.817	15.49	87.98	2.290	1.694	1.936
	8.000	215.8	4.461	18.46	92.59	2.949	2.225	2.673
	10.00	210.2	3.664	22.49	98.60	3.616	2.634	3.315
	12.00	204.1	3.145	27.37	105.8	4.268	2.912	3.823
	15.00	194.4	2.642	35.81	118.1	5.185	3.161	4.385
	20.00	178.0	2.164	51.76	141.7	6.536	3.340	4.978
	25.00	162.3	1.898	68.94	167.5	7.687	3.395	5.320
	30.00	148.2	1.733	86.63	194.6	8.675	3.403	5.508
	40.00	124.7	1.544	122.2	250.5	10.28	3.376	5.630
	50.00	107.1	1.439	157.3	306.8	11.54	3.340	5.607
	60.00	93.65	1.371	191.7	362.5	12.55	3.307	5.546
	80.00	74.95	1.285	258.7	472.2	14.13	3.260	5.427
	100.0	62.57	1.231	324.2	579.9	15.33	3.228	5.346
	120.0	53.77	1.194	388.7	686.2	16.30	3.206	5.293
	140.0	47.18	1.166	452.6	791.7	17.12	3.190	5.258
	160.0	42.04	1.145	516.1	896.6	17.82	3.178	5.235
	180.0	37.93	1.128	579.3	1001.	18.43	3.170	5.219
	200.0	34.55	1.115	642.3	1105.	18.98	3.162	5.208
	220.0	31.72	1.104	705.1	1209.	19.48	3.157	5.200
	240.0	29.33	1.094	767.9	1313.	19.93	3.152	5.194
	260.0	27.27	1.086	830.5	1417.	20.35	3.148	5.190
	280.0	25.48	1.080	893.1	1521.	20.73	3.145	5.187
	300.0	23.91	1.074	955.6	1625.	21.09	3.143	5.185
	350.0	20.72	1.062	1112.	1884.	21.89	3.137	5.182
	400.0	18.28	1.053	1268.	2143.	22.58	3.134	5.181
	500.0	14.79	1.041	1580.	2661.	23.74	3.129	5.181
	600.0	12.42	1.033	1891.	3179.	24.68	3.126	5.182
	700.0	10.70	1.028	2203.	3697.	25.48	3.124	5.183
	800.0	9.404	1.024	2514.	4216.	26.17	3.122	5.184
	900.0	8.384	1.021	2826.	4734.	26.78	3.121	5.185
	1000.	7.563	1.018	3137.	5253.	27.33	3.121	5.185
	1100.	6.889	1.016	3449.	5771.	27.82	3.120	5.186
	1200.	6.325	1.015	3760.	6290.	28.27	3.119	5.187
	1300.	5.846	1.014	4072.	6809.	28.69	3.119	5.187
	1400.	5.434	1.012	4383.	7327.	29.07	3.119	5.188
	1500.	5.077	1.011	4695.	7846.	29.43	3.118	5.188
								2303.

PRESSURE = 16.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial C_V}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
4.494	0.4193E-01	2.753	0.1748	0.8907E-01	0.4994E-01	32.62	0.1443E-06	1.010
5.000	0.4604E-01	2.597	0.1751	0.8865E-01	0.5421E-01	28.14	0.1494E-06	0.8450
6.000	0.6007E-01	2.381	0.1800	0.8778E-01	0.6138E-01	23.05	0.1437E-06	0.7268
8.000	0.9781E-01	2.058	0.1979	0.8580E-01	0.7144E-01	18.00	0.1238E-06	0.6733
10.00	0.1406	1.839	0.2210	0.8351E-01	0.7721E-01	15.17	0.1108E-06	0.6514
12.00	0.1855	1.686	0.2468	0.8102E-01	0.8008E-01	13.28	0.1026E-06	0.6338
15.00	0.2539	1.526	0.2889	0.7707E-01	0.8103E-01	11.40	0.9507E-07	0.6168
20.00	0.3636	1.349	0.3626	0.7042E-01	0.7861E-01	9.703	0.8872E-07	0.6146
25.00	0.4608	1.231	0.4348	0.6412E-01	0.7530E-01	8.945	0.8719E-07	0.6320
30.00	0.5410	1.144	0.5004	0.5842E-01	0.7289E-01	8.656	0.8932E-07	0.6541
40.00	0.6513	1.026	0.6033	0.4904E-01	0.7154E-01	8.709	0.1019E-06	0.6854
50.00	0.7142	0.9507	0.6723	0.4201E-01	0.7324E-01	9.086	0.1220E-06	0.6956
60.00	0.7519	0.9000	0.7192	0.3669E-01	0.7633E-01	9.560	0.1470E-06	0.6946
80.00	0.7950	0.8365	0.7780	0.2929E-01	0.8387E-01	10.56	0.2062E-06	0.6834
100.0	0.8214	0.7989	0.8145	0.2442E-01	0.9180E-01	11.54	0.2744E-06	0.6720
120.0	0.8409	0.7742	0.8401	0.2097E-01	0.9970E-01	12.49	0.3503E-06	0.6629
140.0	0.8565	0.7568	0.8594	0.1838E-01	0.1075	13.41	0.4333E-06	0.6559
160.0	0.8696	0.7439	0.8748	0.1637E-01	0.1151	14.31	0.5231E-06	0.6508
180.0	0.8808	0.7341	0.8872	0.1476E-01	0.1227	15.20	0.6197E-06	0.6467
200.0	0.8904	0.7263	0.8976	0.1344E-01	0.1301	16.11	0.7230E-06	0.6449
220.0	0.8987	0.7201	0.9064	0.1234E-01	0.1374	16.99	0.8328E-06	0.6431
240.0	0.9061	0.7149	0.9139	0.1140E-01	0.1446	17.85	0.9490E-06	0.6413
260.0	0.9125	0.7106	0.9204	0.1060E-01	0.1517	18.69	0.1072E-05	0.6395
280.0	0.9182	0.7070	0.9260	0.9901E-02	0.1586	19.50	0.1200E-05	0.6378
300.0	0.9234	0.7039	0.9310	0.9290E-02	0.1655	20.31	0.1335E-05	0.6361
350.0	0.9340	0.6978	0.9412	0.8048E-02	0.1824	22.26	0.1698E-05	0.6324
400.0	0.9423	0.6933	0.9489	0.7098E-02	0.1987	24.13	0.2097E-05	0.6293
500.0	0.9543	0.6872	0.9599	0.5742E-02	0.2299	27.71	0.2999E-05	0.6244
600.0	0.9625	0.6833	0.9673	0.4820E-02	0.2596	31.10	0.4032E-05	0.6209
700.0	0.9684	0.6806	0.9725	0.4152E-02	0.2879	34.36	0.5190E-05	0.6184
800.0	0.9728	0.6787	0.9763	0.3647E-02	0.3152	37.50	0.6466E-05	0.6167
900.0	0.9762	0.6772	0.9793	0.3251E-02	0.3415	40.54	0.7856E-05	0.6155
1000.	0.9789	0.6760	0.9817	0.2933E-02	0.3670	43.50	0.9357E-05	0.6146
1100.	0.9811	0.6750	0.9836	0.2671E-02	0.3917	46.38	0.1097E-04	0.6140
1200.	0.9829	0.6743	0.9852	0.2452E-02	0.4159	49.20	0.1268E-04	0.6136
1300.	0.9844	0.6736	0.9865	0.2266E-02	0.4394	51.96	0.1449E-04	0.6134
1400.	0.9857	0.6731	0.9876	0.2107E-02	0.4624	54.66	0.1640E-04	0.6133
1500.	0.9868	0.6726	0.9885	0.1968E-02	0.4850	57.32	0.1841E-04	0.6132

PRESSURE = 18.00 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
M 4.827	227.9	7.878	15.41	94.41	1.830	1.429	1.609	705.7
5.000	227.5	7.618	15.57	94.69	1.887	1.447	1.629	706.4
6.000	225.4	6.406	16.59	96.43	2.204	1.655	1.883	707.5
8.000	220.9	4.903	19.42	100.9	2.842	2.187	2.592	700.5
10.00	215.7	4.017	23.30	106.7	3.491	2.610	3.227	688.8
12.00	210.0	3.438	28.02	113.7	4.126	2.900	3.731	676.5
15.00	201.0	2.874	36.24	125.8	5.022	3.162	4.289	659.7
20.00	185.5	2.335	51.85	148.9	6.345	3.354	4.882	638.8
25.00	170.6	2.031	68.73	174.2	7.475	3.413	5.230	626.0
30.00	156.9	1.841	86.20	200.9	8.448	3.423	5.431	619.8
40.00	133.7	1.621	121.6	256.2	10.04	3.396	5.589	621.4
50.00	115.7	1.498	156.6	312.2	11.29	3.358	5.592	634.0
60.00	101.8	1.419	191.1	367.9	12.30	3.324	5.546	652.0
80.00	82.04	1.320	258.3	477.7	13.88	3.273	5.438	693.8
100.0	68.80	1.259	324.0	585.6	15.09	3.239	5.356	737.0
120.0	59.31	1.217	388.7	692.1	16.06	3.215	5.302	779.2
140.0	52.16	1.187	452.7	797.8	16.87	3.198	5.265	819.8
160.0	46.57	1.163	516.3	902.8	17.57	3.185	5.240	859.0
180.0	42.07	1.144	579.6	1007.	18.19	3.175	5.222	896.6
200.0	38.37	1.129	642.7	1112.	18.74	3.168	5.210	932.8
220.0	35.28	1.117	705.6	1216.	19.24	3.161	5.201	967.9
240.0	32.64	1.106	768.4	1320.	19.69	3.156	5.195	1002.
260.0	30.38	1.097	831.1	1424.	20.10	3.152	5.190	1035.
280.0	28.40	1.090	893.7	1527.	20.49	3.149	5.187	1067.
300.0	26.67	1.083	956.3	1631.	20.85	3.146	5.185	1098.
350.0	23.14	1.070	1112.	1890.	21.65	3.140	5.181	1172.
400.0	20.44	1.060	1269.	2148.	22.34	3.135	5.180	1242.
500.0	16.56	1.046	1580.	2667.	23.49	3.130	5.179	1372.
600.0	13.92	1.038	1892.	3185.	24.44	3.127	5.180	1491.
700.0	12.00	1.031	2203.	3703.	25.24	3.125	5.181	1602.
800.0	10.55	1.027	2515.	4221.	25.93	3.123	5.183	1706.
900.0	9.408	1.023	2826.	4740.	26.54	3.122	5.184	1803.
1000.	8.489	1.021	3138.	5258.	27.08	3.121	5.185	1896.
1100.	7.734	1.019	3449.	5777.	27.58	3.120	5.185	1985.
1200.	7.102	1.017	3761.	6295.	28.03	3.120	5.186	2070.
1300.	6.565	1.015	4072.	6814.	28.44	3.119	5.187	2152.
1400.	6.104	1.014	4384.	7333.	28.83	3.119	5.187	2230.
1500.	5.703	1.013	4695.	7851.	29.19	3.119	5.188	2306.

PRESSURE = 18.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \dot{F}}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
4.827	0.4433E-01	2.842	0.1786	0.9071E-01	0.5541E-01	34.47	0.1511E-06	1.001
5.000	0.4526E-01	2.774	0.1785	0.9056E-01	0.5692E-01	32.78	0.1536E-06	0.9378
6.000	0.5578E-01	2.471	0.1815	0.8972E-01	0.6461E-01	26.35	0.1522E-06	0.7679
8.000	0.8845E-01	2.093	0.1968	0.8787E-01	0.7561E-01	20.22	0.1321E-06	0.6931
10.00	0.1268	1.864	0.2175	0.8575E-01	0.8217E-01	16.89	0.1180E-06	0.6632
12.00	0.1674	1.711	0.2409	0.8344E-01	0.8565E-01	14.67	0.1093E-06	0.6391
15.00	0.2295	1.553	0.2791	0.7975E-01	0.8722E-01	12.48	0.1012E-06	0.6136
20.00	0.3303	1.380	0.3461	0.7349E-01	0.8511E-01	10.47	0.9395E-07	0.6005
25.00	0.4214	1.263	0.4124	0.6746E-01	0.8148E-01	9.530	0.9130E-07	0.6117
30.00	0.4989	1.176	0.4738	0.6193E-01	0.7846E-01	9.132	0.9207E-07	0.6321
40.00	0.6115	1.056	0.5740	0.5262E-01	0.7582E-01	9.071	0.1015E-06	0.6686
50.00	0.6804	0.9780	0.6447	0.4544E-01	0.7860E-01	9.396	0.1184E-06	0.6860
60.00	0.7233	0.9240	0.6941	0.3991E-01	0.7912E-01	9.844	0.1402E-06	0.6900
80.00	0.7731	0.8555	0.7573	0.3209E-01	0.8612E-01	10.81	0.1931E-06	0.6828
100.0	0.8030	0.8143	0.7966	0.2687E-01	0.9381E-01	11.77	0.2545E-06	0.6721
120.0	0.8247	0.7870	0.8243	0.2314E-01	0.1015	12.70	0.3229E-06	0.6629
140.0	0.8419	0.7677	0.8452	0.2033E-01	0.1092	13.60	0.3976E-06	0.6556
160.0	0.8562	0.7535	0.8618	0.1814E-01	0.1167	14.48	0.4784E-06	0.6500
180.0	0.8683	0.7425	0.8753	0.1638E-01	0.1242	15.35	0.5651E-06	0.6456
200.0	0.8787	0.7338	0.8866	0.1493E-01	0.1315	16.24	0.6576E-06	0.6434
220.0	0.8878	0.7268	0.8961	0.1372E-01	0.1387	17.10	0.7559E-06	0.6413
240.0	0.8958	0.7211	0.9043	0.1269E-01	0.1458	17.94	0.8598E-06	0.6391
260.0	0.9028	0.7162	0.9114	0.1181E-01	0.1528	18.76	0.9693E-06	0.6371
280.0	0.9091	0.7122	0.9176	0.1104E-01	0.1597	19.56	0.1084E-05	0.6351
300.0	0.9147	0.7086	0.9231	0.1037E-01	0.1666	20.35	0.1205E-05	0.6332
350.0	0.9264	0.7018	0.9343	0.8990E-02	0.1833	22.25	0.1529E-05	0.6290
400.0	0.9355	0.6967	0.9428	0.7937E-02	0.1995	24.09	0.1885E-05	0.6254
500.0	0.9488	0.6899	0.9550	0.6428E-02	0.2306	27.60	0.2688E-05	0.6199
600.0	0.9579	0.6855	0.9632	0.5401E-02	0.2602	30.94	0.3609E-05	0.6159
700.0	0.9645	0.6824	0.9690	0.4656E-02	0.2885	34.14	0.4639E-05	0.6132
800.0	0.9694	0.6802	0.9734	0.4091E-02	0.3157	37.23	0.5776E-05	0.6112
900.0	0.9732	0.6785	0.9767	0.3649E-02	0.3420	40.23	0.7014E-05	0.6097
1000.	0.9763	0.6772	0.9794	0.3292E-02	0.3675	43.15	0.8350E-05	0.6088
1100.	0.9787	0.6761	0.9815	0.2999E-02	0.3923	46.00	0.9781E-05	0.6081
1200.	0.9808	0.6752	0.9833	0.2754E-02	0.4164	48.78	0.1130E-04	0.6076
1300.	0.9825	0.6745	0.9847	0.2545E-02	0.4399	51.51	0.1292E-04	0.6073
1400.	0.9839	0.6739	0.9860	0.2366E-02	0.4629	54.19	0.1462E-04	0.6072
1500.	0.9852	0.6733	0.9871	0.2211E-02	0.4854	56.82	0.1641E-04	0.6072

PRESSURE = 20.00 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
5.145	231.6	8.082	16.87	103.2	1.856	1.478	1.676	733.2
6.000	229.8	6.982	17.71	104.7	2.125	1.630	1.852	734.2
8.000	225.5	5.336	20.42	109.1	2.747	2.154	2.524	727.9
10.00	220.7	4.363	24.17	114.8	3.380	2.587	3.151	716.8
12.00	215.4	3.725	28.76	121.6	4.001	2.888	3.651	704.9
15.00	206.9	3.102	36.79	133.5	4.879	3.162	4.206	688.5
20.00	192.3	2.503	52.09	156.1	6.178	3.365	4.799	667.5
25.00	178.0	2.163	68.72	181.0	7.290	3.429	5.151	654.2
30.00	164.7	1.948	85.98	207.4	8.249	3.441	5.362	647.1
40.00	141.8	1.697	121.1	262.1	9.823	3.414	5.547	646.2
50.00	123.7	1.557	156.1	317.8	11.06	3.375	5.574	656.4
60.00	109.4	1.467	190.5	373.4	12.08	3.340	5.542	672.4
80.00	88.76	1.356	257.9	483.3	13.66	3.286	5.445	711.4
100.0	74.76	1.288	323.8	591.3	14.87	3.249	5.366	752.7
120.0	64.64	1.241	388.7	698.0	15.84	3.224	5.310	793.5
140.0	56.98	1.207	452.8	803.8	16.65	3.205	5.271	833.1
160.0	50.96	1.181	516.6	909.0	17.36	3.192	5.245	871.4
180.0	46.11	1.160	579.9	1014.	17.97	3.181	5.226	908.3
200.0	42.11	1.143	643.1	1118.	18.52	3.173	5.213	943.9
220.0	38.75	1.129	706.1	1222.	19.02	3.166	5.203	978.4
240.0	35.89	1.118	768.9	1326.	19.47	3.160	5.196	1012.
260.0	33.42	1.108	831.6	1430.	19.89	3.156	5.191	1044.
280.0	31.27	1.100	894.3	1534.	20.27	3.152	5.187	1076.
300.0	29.38	1.092	956.9	1638.	20.63	3.149	5.184	1107.
350.0	25.53	1.078	1113.	1897.	21.43	3.142	5.180	1180.
400.0	22.56	1.067	1269.	2156.	22.12	3.138	5.178	1250.
500.0	18.31	1.052	1581.	2673.	23.28	3.132	5.178	1379.
600.0	15.40	1.042	1893.	3191.	24.22	3.128	5.179	1497.
700.0	13.29	1.035	2204.	3709.	25.02	3.126	5.180	1607.
800.0	11.69	1.030	2516.	4227.	25.71	3.124	5.181	1710.
900.0	10.43	1.026	2827.	4745.	26.32	3.123	5.183	1808.
1000.	9.411	1.023	3139.	5264.	26.87	3.122	5.184	1900.
1100.	8.576	1.021	3450.	5782.	27.36	3.121	5.184	1988.
1200.	7.877	1.019	3762.	6301.	27.81	3.120	5.185	2074.
1300.	7.283	1.017	4073.	6819.	28.23	3.120	5.186	2155.
1400.	6.772	1.016	4384.	7338.	28.61	3.119	5.186	2233.
1500.	6.328	1.014	4696.	7857.	28.97	3.119	5.187	2309.

PRESSURE = 20.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
5.145	0.4640E-01	2.893	0.1822	0.9222E-01	0.6084E-01	36.42	0.1567E-06	1.003
6.000	0.5295E-01	2.568	0.1834	0.9151E-01	0.6773E-01	29.94	0.1591E-06	0.8188
8.000	0.8103E-01	2.126	0.1962	0.8976E-01	0.7963E-01	22.57	0.1399E-06	0.7157
10.00	0.1156	1.885	0.2148	0.8778E-01	0.8694E-01	18.68	0.1250E-06	0.6770
12.00	0.1526	1.731	0.2362	0.8561E-01	0.9103E-01	16.12	0.1158E-06	0.6465
15.00	0.2096	1.575	0.2712	0.8216E-01	0.9322E-01	13.58	0.1071E-06	0.6129
20.00	0.3030	1.407	0.3329	0.7622E-01	0.9151E-01	11.24	0.9916E-07	0.5894
25.00	0.3886	1.292	0.3942	0.7045E-01	0.8768E-01	10.11	0.9561E-07	0.5940
30.00	0.4632	1.206	0.4518	0.6509E-01	0.8415E-01	9.598	0.9526E-07	0.6117
40.00	0.5761	1.084	0.5487	0.5588E-01	0.8029E-01	9.419	0.1021E-06	0.6507
50.00	0.6491	1.004	0.6199	0.4862E-01	0.8010E-01	9.892	0.1162E-06	0.6744
60.00	0.6964	0.9469	0.6711	0.4293E-01	0.8200E-01	10.11	0.1353E-06	0.6835
80.00	0.7522	0.8738	0.7379	0.3475E-01	0.8838E-01	11.06	0.1828E-06	0.6813
100.0	0.7855	0.8283	0.7798	0.2922E-01	0.9578E-01	12.00	0.2388E-06	0.6720
120.0	0.8082	0.7996	0.8093	0.2524E-01	0.1034	12.90	0.3011E-06	0.6628
140.0	0.8278	0.7786	0.8316	0.2222E-01	0.1109	13.78	0.3692E-06	0.6552
160.0	0.8432	0.7629	0.8493	0.1986E-01	0.1183	14.65	0.4426E-06	0.6493
180.0	0.8562	0.7508	0.8638	0.1796E-01	0.1256	15.49	0.5214E-06	0.6445
200.0	0.8674	0.7413	0.8759	0.1639E-01	0.1329	16.36	0.6053E-06	0.6419
220.0	0.8772	0.7336	0.8862	0.1508E-01	0.1400	17.21	0.6944E-06	0.6395
240.0	0.8858	0.7272	0.8950	0.1396E-01	0.1470	18.03	0.7885E-06	0.6370
260.0	0.8934	0.7218	0.9026	0.1300E-01	0.1540	18.83	0.8876E-06	0.6347
280.0	0.9001	0.7173	0.9094	0.1216E-01	0.1608	19.61	0.9915E-06	0.6325
300.0	0.9062	0.7134	0.9153	0.1142E-01	0.1676	20.38	0.1100E-05	0.6304
350.0	0.9189	0.7058	0.9275	0.9919E-02	0.1842	22.25	0.1393E-05	0.6257
400.0	0.9288	0.7002	0.9368	0.8765E-02	0.2003	24.05	0.1714E-05	0.6217
500.0	0.9434	0.6925	0.9502	0.7109E-02	0.2313	27.49	0.2440E-05	0.6155
600.0	0.9534	0.6876	0.9592	0.5978E-02	0.2608	30.77	0.3269E-05	0.6111
700.0	0.9606	0.6842	0.9656	0.5157E-02	0.2891	33.92	0.4199E-05	0.6080
800.0	0.9660	0.6818	0.9704	0.4533E-02	0.3162	36.97	0.5223E-05	0.6057
900.0	0.9703	0.6799	0.9741	0.4044E-02	0.3425	39.93	0.6339E-05	0.6041
1000.	0.9736	0.6784	0.9771	0.3650E-02	0.3680	42.81	0.7543E-05	0.6030
1100.	0.9764	0.6772	0.9794	0.3326E-02	0.3927	45.62	0.8833E-05	0.6022
1200.	0.9786	0.6762	0.9814	0.3054E-02	0.4168	48.37	0.1021E-04	0.6017
1300.	0.9805	0.6754	0.9830	0.2824E-02	0.4404	51.07	0.1166E-04	0.6014
1400.	0.9821	0.6747	0.9844	0.2626E-02	0.4634	53.71	0.1319E-04	0.6012
1500.	0.9835	0.6741	0.9856	0.2453E-02	0.4859	56.31	0.1480E-04	0.6012

PRESSURE = 25.00 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
5.885	239.8	8.527	20.48	124.7	1.906	1.523	1.862	792.5
6.000	239.6	8.372	20.59	124.9	1.842	1.638	1.875	792.5
8.000	235.6	6.385	23.07	129.2	2.546	2.090	2.405	788.1
10.00	231.4	5.201	26.55	134.6	3.149	2.535	3.000	778.6
12.00	226.8	4.422	30.88	141.1	3.741	2.856	3.489	768.0
15.00	219.5	3.656	38.51	152.4	4.582	3.157	4.038	752.7
20.00	206.6	2.913	53.20	174.2	5.832	3.386	4.630	732.0
25.00	193.7	2.486	69.27	198.3	6.907	3.463	4.990	717.8
30.00	181.4	2.212	86.07	223.9	7.838	3.480	5.217	709.1
40.00	159.4	1.888	120.6	277.4	9.376	3.455	5.447	704.0
50.00	141.2	1.705	155.3	332.3	10.60	3.414	5.519	709.6
60.00	126.3	1.588	189.7	387.6	11.61	3.375	5.520	721.4
80.00	104.2	1.444	257.3	497.4	13.19	3.315	5.454	754.0
100.0	88.60	1.358	323.5	605.7	14.40	3.274	5.383	791.0
120.0	77.15	1.300	388.7	712.8	15.37	3.244	5.327	828.6
140.0	68.36	1.257	453.2	818.9	16.19	3.223	5.286	865.7
160.0	61.40	1.225	517.2	924.3	16.89	3.207	5.256	901.9
180.0	55.75	1.199	580.8	1029.	17.51	3.194	5.235	937.1
200.0	51.06	1.179	644.1	1134.	18.06	3.185	5.219	971.2
220.0	47.10	1.161	707.2	1238.	18.56	3.177	5.207	1004.
240.0	43.72	1.147	770.2	1342.	19.01	3.170	5.199	1037.
260.0	40.79	1.135	833.0	1446.	19.43	3.165	5.182	1068.
280.0	38.23	1.124	895.7	1550.	19.81	3.160	5.188	1089.
300.0	35.97	1.115	958.4	1653.	20.17	3.156	5.184	1128.
350.0	31.34	1.097	1115.	1913.	20.97	3.148	5.179	1200.
400.0	27.77	1.084	1271.	2171.	21.66	3.143	5.176	1268.
500.0	22.61	1.065	1583.	2689.	22.82	3.136	5.175	1395.
600.0	19.06	1.053	1895.	3206.	23.76	3.131	5.176	1511.
700.0	16.47	1.044	2206.	3724.	24.56	3.128	5.177	1620.
800.0	14.50	1.038	2518.	4242.	25.25	3.126	5.179	1722.
900.0	12.95	1.033	2829.	4760.	25.86	3.124	5.180	1819.
1000.	11.70	1.029	3140.	5278.	26.40	3.123	5.181	1911.
1100.	10.66	1.026	3452.	5796.	26.90	3.122	5.182	1998.
1200.	9.800	1.023	3763.	6314.	27.35	3.121	5.183	2083.
1300.	9.065	1.021	4075.	6833.	27.76	3.121	5.184	2164.
1400.	8.432	1.020	4386.	7351.	28.15	3.120	5.185	2242.
1500.	7.881	1.018	4698.	7870.	28.51	3.120	5.185	2317.

PRESSURE = 25.00 [MPa]

TEMP [K]	$\left(\frac{\partial v}{\partial T}\right)_P$	$\left(\frac{\partial F}{\partial T}\right)_V$	$\left(\frac{\partial P}{\partial \rho}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
5.885	0.5062E-01	2.902	0.1904	0.9561E-01	0.7427E-01	41.60	0.1663E-06	1.043
6.000	0.5093E-01	2.844	0.1902	0.9551E-01	0.7524E-01	40.50	0.1675E-06	1.009
8.000	0.6836E-01	2.206	0.1966	0.9389E-01	0.8916E-01	29.13	0.1573E-06	0.7859
10.00	0.9527E-01	1.926	0.2109	0.9216E-01	0.9823E-01	23.54	0.1415E-06	0.7190
12.00	0.1254	1.766	0.2283	0.9029E-01	0.1038	19.97	0.1311E-06	0.6715
15.00	0.1728	1.616	0.2572	0.8728E-01	0.1076	16.47	0.1214E-06	0.6183
20.00	0.2520	1.458	0.3089	0.8202E-01	0.1071	13.20	0.1120E-06	0.5707
25.00	0.3267	1.349	0.3610	0.7678E-01	0.1032	11.56	0.1068E-06	0.5580
30.00	0.3941	1.266	0.4109	0.7180E-01	0.9870E-01	10.74	0.1043E-06	0.5675
40.00	0.5034	1.145	0.4989	0.6293E-01	0.9215E-01	10.24	0.1061E-06	0.6051
50.00	0.5814	1.061	0.5686	0.5563E-01	0.8952E-01	10.37	0.1149E-06	0.6395
60.00	0.6359	0.8993	0.6218	0.4969E-01	0.8968E-01	10.73	0.1285E-06	0.6605
80.00	0.7038	0.9170	0.6946	0.4085E-01	0.9412E-01	11.62	0.1657E-06	0.6734
100.0	0.7445	0.8654	0.7416	0.3469E-01	0.1007	12.52	0.2111E-06	0.6696
120.0	0.7730	0.8303	0.7749	0.3016E-01	0.1078	13.39	0.2622E-06	0.6618
140.0	0.7949	0.8051	0.8002	0.2670E-01	0.1150	14.23	0.3181E-06	0.6541
160.0	0.8128	0.7862	0.8203	0.2396E-01	0.1221	15.04	0.3784E-06	0.6475
180.0	0.8278	0.7715	0.8368	0.2174E-01	0.1292	15.84	0.4428E-06	0.6418
200.0	0.8408	0.7598	0.8507	0.1990E-01	0.1362	16.67	0.5113E-06	0.6385
220.0	0.8521	0.7503	0.8625	0.1835E-01	0.1432	17.46	0.5838E-06	0.6352
240.0	0.8620	0.7424	0.8728	0.1702E-01	0.1500	18.24	0.6602E-06	0.6320
260.0	0.8709	0.7358	0.8817	0.1588E-01	0.1568	19.00	0.7405E-06	0.6290
280.0	0.8788	0.7302	0.8896	0.1488E-01	0.1635	19.74	0.8247E-06	0.6261
300.0	0.8859	0.7254	0.8965	0.1399E-01	0.1702	20.46	0.9126E-06	0.6234
350.0	0.9008	0.7158	0.9109	0.1219E-01	0.1865	22.23	0.1149E-05	0.6175
400.0	0.9126	0.7088	0.9221	0.1079E-01	0.2023	23.94	0.1408E-05	0.6125
500.0	0.9301	0.6993	0.9383	0.8781E-02	0.2329	27.22	0.1991E-05	0.6047
600.0	0.9422	0.6931	0.9492	0.7400E-02	0.2622	30.36	0.2658E-05	0.5992
700.0	0.9510	0.6888	0.9572	0.6393E-02	0.2903	33.38	0.3405E-05	0.5953
800.0	0.9577	0.6857	0.9631	0.5627E-02	0.3174	36.31	0.4227E-05	0.5925
900.0	0.9629	0.6833	0.9677	0.5024E-02	0.3436	39.17	0.5123E-05	0.5904
1000.	0.9671	0.6814	0.9713	0.4538E-02	0.3690	41.95	0.6090E-05	0.5890
1100.	0.9705	0.6799	0.9743	0.4137E-02	0.3937	44.68	0.7124E-05	0.5880
1200.	0.9733	0.6787	0.9767	0.3801E-02	0.4178	47.34	0.8226E-05	0.5873
1300.	0.9756	0.6776	0.9787	0.3515E-02	0.4413	49.96	0.9392E-05	0.5869
1400.	0.9776	0.6768	0.9805	0.3270E-02	0.4643	52.54	0.1062E-04	0.5866
1500.	0.9793	0.6760	0.9820	0.3056E-02	0.4869	55.07	0.1191E-04	0.5865

PRESSURE = 30.00 [MPa]								
TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
M 6.571	247.0	8.898	24.08	145.5	1.949	1.787	2.060	841.9
8.000	244.3	7.390	25.84	148.7	2.378	2.060	2.352	839.2
10.00	240.4	6.006	29.13	153.9	2.962	2.492	2.893	831.7
12.00	236.4	5.092	33.25	160.2	3.532	2.825	3.366	822.4
15.00	229.8	4.190	40.58	171.1	4.345	3.146	3.907	808.3
20.00	218.2	3.310	54.77	192.3	5.557	3.399	4.498	788.4
25.00	206.4	2.799	70.40	215.7	6.603	3.488	4.863	773.9
30.00	195.0	2.469	86.81	240.7	7.512	3.511	5.100	764.4
40.00	174.0	2.075	120.7	293.2	9.020	3.490	5.359	756.4
50.00	156.0	1.851	155.1	347.3	10.23	3.447	5.462	758.8
60.00	141.0	1.707	189.4	402.1	11.23	3.406	5.489	767.5
80.00	117.8	1.532	257.0	511.7	12.80	3.341	5.454	794.9
100.0	101.1	1.428	323.5	620.2	14.01	3.296	5.394	828.0
120.0	88.61	1.358	388.9	727.5	14.99	3.263	5.340	862.7
140.0	78.90	1.307	453.6	833.8	15.81	3.239	5.298	897.5
160.0	71.14	1.268	517.8	939.5	16.52	3.221	5.267	931.8
180.0	64.80	1.238	581.6	1045.	17.14	3.207	5.243	965.3
200.0	59.50	1.214	645.0	1149.	17.69	3.196	5.226	998.1
220.0	55.01	1.193	708.3	1254.	18.19	3.187	5.212	1030.
240.0	51.16	1.176	771.4	1358.	18.64	3.179	5.202	1061.
260.0	47.82	1.162	834.3	1462.	19.05	3.173	5.195	1092.
280.0	44.88	1.149	897.1	1566.	19.44	3.168	5.189	1121.
300.0	42.29	1.138	959.9	1669.	19.80	3.163	5.184	1150.
350.0	36.95	1.117	1116.	1928.	20.60	3.154	5.177	1220.
400.0	32.81	1.101	1273.	2187.	21.29	3.148	5.174	1287.
500.0	26.79	1.078	1585.	2704.	22.44	3.139	5.172	1411.
600.0	22.64	1.063	1896.	3222.	23.38	3.134	5.173	1526.
700.0	19.60	1.053	2208.	3739.	24.18	3.130	5.174	1633.
800.0	17.27	1.045	2519.	4256.	24.87	3.128	5.176	1734.
900.0	15.44	1.039	2831.	4774.	25.48	3.126	5.177	1830.
1000.	13.95	1.035	3142.	5292.	26.03	3.125	5.179	1921.
1100.	12.73	1.031	3454.	5810.	26.52	3.123	5.180	2008.
1200.	11.71	1.028	3765.	6328.	26.97	3.122	5.181	2092.
1300.	10.83	1.026	4076.	6846.	27.39	3.122	5.182	2172.
1400.	10.08	1.024	4388.	7364.	27.77	3.121	5.183	2250.
1500.	9.424	1.022	4699.	7883.	28.13	3.121	5.184	2325.

PRESSURE = 30.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial C_V}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M²/S]	PRANDTL
6.571	0.5403E-01	2.829	0.1975	0.9856E-01	0.8759E-01	47.10	0.1721E-06	1.108
8.000	0.6147E-01	2.301	0.1991	0.9744E-01	0.9818E-01	36.83	0.1709E-06	0.8821
10.00	0.8205E-01	1.961	0.2094	0.9587E-01	0.1088	29.04	0.1585E-06	0.7720
12.00	0.1070	1.791	0.2236	0.9419E-01	0.1157	24.22	0.1455E-06	0.7044
15.00	0.1474	1.643	0.2482	0.9150E-01	0.1211	19.57	0.1349E-06	0.6313
20.00	0.2163	1.495	0.2927	0.8676E-01	0.1221	15.23	0.1244E-06	0.5610
25.00	0.2828	1.393	0.3382	0.8196E-01	0.1185	13.01	0.1180E-06	0.5341
30.00	0.3441	1.314	0.3825	0.7730E-01	0.1135	11.84	0.1141E-06	0.5323
40.00	0.4478	1.196	0.4627	0.6881E-01	0.1047	10.99	0.1124E-06	0.5622
50.00	0.5265	1.110	0.5290	0.6159E-01	0.9979E-01	10.98	0.1171E-06	0.6007
60.00	0.5847	1.046	0.5821	0.5555E-01	0.9806E-01	11.27	0.1267E-06	0.6307
80.00	0.6608	0.9569	0.6579	0.4629E-01	0.1002	12.11	0.1559E-06	0.6594
100.0	0.7077	0.8994	0.7083	0.3965E-01	0.1056	12.99	0.1936E-06	0.6637
120.0	0.7402	0.8597	0.7444	0.3469E-01	0.1121	13.83	0.2369E-06	0.6591
140.0	0.7650	0.8308	0.7720	0.3085E-01	0.1189	14.64	0.2845E-06	0.6522
160.0	0.7851	0.8089	0.7941	0.2779E-01	0.1258	15.42	0.3358E-06	0.6454
180.0	0.8018	0.7917	0.8123	0.2530E-01	0.1327	16.18	0.3906E-06	0.6392
200.0	0.8163	0.7780	0.8276	0.2321E-01	0.1395	16.96	0.4488E-06	0.6351
220.0	0.8289	0.7669	0.8407	0.2145E-01	0.1463	17.71	0.5102E-06	0.6311
240.0	0.8400	0.7576	0.8521	0.1994E-01	0.1530	18.44	0.5748E-06	0.6272
260.0	0.8499	0.7497	0.8621	0.1863E-01	0.1596	19.16	0.6426E-06	0.6235
280.0	0.8587	0.7431	0.8709	0.1748E-01	0.1662	19.86	0.7136E-06	0.6200
300.0	0.8667	0.7373	0.8788	0.1646E-01	0.1727	20.54	0.7876E-06	0.6167
350.0	0.8836	0.7258	0.8952	0.1438E-01	0.1887	22.21	0.9862E-06	0.6095
400.0	0.8971	0.7175	0.9080	0.1276E-01	0.2043	23.83	0.1203E-05	0.6035
500.0	0.9172	0.7060	0.9266	0.1041E-01	0.2345	26.95	0.1692E-05	0.5943
600.0	0.9313	0.6986	0.9395	0.8794E-02	0.2635	29.94	0.2251E-05	0.5877
700.0	0.9416	0.6934	0.9488	0.7609E-02	0.2915	32.84	0.2875E-05	0.5830
800.0	0.9495	0.6896	0.9558	0.6705E-02	0.3185	35.66	0.3562E-05	0.5796
900.0	0.9557	0.6867	0.9612	0.5992E-02	0.3446	38.42	0.4311E-05	0.5772
1000.	0.9606	0.6845	0.9655	0.5415E-02	0.3699	41.11	0.5119E-05	0.5755
1100.	0.9646	0.6827	0.9691	0.4940E-02	0.3946	43.74	0.5983E-05	0.5742
1200.	0.9679	0.6812	0.9720	0.4541E-02	0.4187	46.33	0.6903E-05	0.5734
1300.	0.9707	0.6795	0.9744	0.4202E-02	0.4422	48.88	0.7877E-05	0.5728
1400.	0.9731	0.6786	0.9765	0.3909E-02	0.4651	51.38	0.8904E-05	0.5725
1500.	0.9752	0.6779	0.9783	0.3655E-02	0.4877	53.85	0.9983E-05	0.5724

PRESSURE = 35.00 [MPa]								
TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
M 7.219	253.5	9.209	27.71	165.8	1.991	1.953	2.258	884.7
8.000	252.0	8.359	28.69	167.6	2.228	2.071	2.365	883.5
10.00	248.3	6.785	31.83	172.8	2.803	2.463	2.825	878.0
12.00	244.6	5.740	35.79	178.9	3.359	2.796	3.272	870.2
15.00	238.6	4.707	42.87	189.5	4.149	3.131	3.802	857.5
20.00	228.1	3.694	56.66	210.1	5.330	3.405	4.389	838.7
25.00	217.2	3.103	71.91	233.1	6.352	3.507	4.758	824.3
30.00	206.5	2.720	87.98	257.5	7.243	3.537	5.002	814.3
40.00	186.4	2.259	121.4	309.1	8.725	3.520	5.281	804.5
50.00	168.9	1.995	155.4	362.6	9.919	3.477	5.407	804.5
60.00	153.9	1.625	188.5	417.0	10.91	3.434	5.455	810.7
80.00	130.1	1.619	257.1	526.1	12.48	3.365	5.447	833.8
100.0	112.5	1.497	323.6	634.6	13.69	3.316	5.399	863.6
120.0	99.18	1.416	389.2	742.1	14.67	3.281	5.350	895.7
140.0	88.70	1.357	454.1	848.7	15.49	3.255	5.309	928.4
160.0	80.26	1.312	518.4	954.5	16.20	3.235	5.276	960.9
180.0	73.31	1.277	582.4	1060.	16.82	3.219	5.251	993.0
200.0	67.49	1.248	646.0	1165.	17.37	3.207	5.232	1024.
220.0	62.53	1.225	709.4	1269.	17.87	3.196	5.217	1055.
240.0	58.26	1.205	772.5	1373.	18.32	3.188	5.206	1085.
260.0	54.53	1.188	835.6	1477.	18.74	3.181	5.187	1115.
280.0	51.26	1.174	898.5	1581.	19.12	3.175	5.191	1144.
300.0	48.36	1.161	961.3	1685.	19.48	3.170	5.185	1172.
350.0	42.37	1.136	1118.	1944.	20.28	3.160	5.177	1240.
400.0	37.70	1.117	1274.	2203.	20.97	3.153	5.172	1305.
500.0	30.88	1.091	1586.	2720.	22.12	3.143	5.170	1427.
600.0	26.15	1.074	1898.	3237.	23.07	3.137	5.170	1540.
700.0	22.67	1.062	2210.	3754.	23.86	3.133	5.172	1646.
800.0	20.00	1.053	2521.	4271.	24.56	3.130	5.173	1746.
900.0	17.89	1.046	2833.	4788.	25.16	3.128	5.175	1841.
1000.	16.19	1.041	3144.	5306.	25.71	3.126	5.177	1931.
1100.	14.78	1.037	3455.	5824.	26.20	3.125	5.178	2018.
1200.	13.59	1.033	3767.	6342.	26.65	3.124	5.179	2101.
1300.	12.58	1.030	4078.	6860.	27.07	3.123	5.180	2181.
1400.	11.71	1.028	4389.	7378.	27.45	3.122	5.181	2258.
1500.	10.95	1.025	4701.	7896.	27.81	3.121	5.182	2333.

PRESSURE = 35.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial T}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
7.219	0.5698E-01	2.736	0.2040	0.1012	0.1009	52.80	0.1763E-06	1.182
8.000	0.5874E-01	2.423	0.2033	0.1006	0.1069	45.97	0.1794E-06	1.017
10.00	0.7336E-01	2.002	0.2097	0.9911E-01	0.1190	35.29	0.1696E-06	0.8378
12.00	0.9395E-01	1.812	0.2211	0.9757E-01	0.1272	28.93	0.1589E-06	0.7445
15.00	0.1288	1.662	0.2421	0.9513E-01	0.1341	22.91	0.1478E-06	0.6497
20.00	0.1899	1.521	0.2813	0.9079E-01	0.1368	17.34	0.1365E-06	0.5573
25.00	0.2498	1.427	0.3218	0.8634E-01	0.1335	14.48	0.1292E-06	0.5160
30.00	0.3061	1.352	0.3616	0.8198E-01	0.1283	12.93	0.1242E-06	0.5043
40.00	0.4041	1.236	0.4351	0.7385E-01	0.1178	11.69	0.1197E-06	0.5239
50.00	0.4815	1.153	0.4979	0.6676E-01	0.1107	11.51	0.1213E-06	0.5621
60.00	0.5412	1.087	0.5497	0.6070E-01	0.1071	11.73	0.1276E-06	0.5975
80.00	0.6228	0.9936	0.6265	0.5118E-01	0.1066	12.54	0.1505E-06	0.6404
100.0	0.6744	0.8315	0.6791	0.4418E-01	0.1107	13.41	0.1821E-06	0.6542
120.0	0.7104	0.8877	0.7173	0.3888E-01	0.1164	14.24	0.2194E-06	0.6543
140.0	0.7377	0.8555	0.7467	0.3473E-01	0.1228	15.02	0.2608E-06	0.6493
160.0	0.7596	0.8309	0.7703	0.3139E-01	0.1294	15.77	0.3056E-06	0.6429
180.0	0.7779	0.8114	0.7898	0.2865E-01	0.1361	16.50	0.3535E-06	0.6365
200.0	0.7936	0.7960	0.8063	0.2635E-01	0.1427	17.24	0.4042E-06	0.6319
220.0	0.8073	0.7832	0.8205	0.2440E-01	0.1493	17.95	0.4577E-06	0.6272
240.0	0.8194	0.7726	0.8328	0.2273E-01	0.1559	18.64	0.5140E-06	0.6226
260.0	0.8302	0.7636	0.8437	0.2126E-01	0.1624	19.31	0.5728E-06	0.6183
280.0	0.8399	0.7556	0.8534	0.1998E-01	0.1688	19.97	0.6344E-06	0.6142
300.0	0.8486	0.7491	0.8620	0.1884E-01	0.1752	20.62	0.6985E-06	0.6103
350.0	0.8673	0.7360	0.8801	0.1650E-01	0.1909	22.19	0.8702E-06	0.6019
400.0	0.8822	0.7261	0.8943	0.1467E-01	0.2062	23.72	0.1058E-05	0.5949
500.0	0.9047	0.7126	0.9153	0.1201E-01	0.2361	26.68	0.1479E-05	0.5841
600.0	0.9206	0.7041	0.9299	0.1016E-01	0.2648	29.53	0.1959E-05	0.5765
700.0	0.9324	0.6981	0.9405	0.8805E-02	0.2926	32.31	0.2496E-05	0.5711
800.0	0.9414	0.6936	0.9485	0.7767E-02	0.3194	35.02	0.3087E-05	0.5672
900.0	0.9484	0.6902	0.9548	0.6947E-02	0.3454	37.67	0.3730E-05	0.5644
1000.	0.9541	0.6876	0.9598	0.6283E-02	0.3707	40.27	0.4424E-05	0.5624
1100.	0.9588	0.6851	0.9639	0.5735E-02	0.3953	42.83	0.5167E-05	0.5609
1200.	0.9626	0.6831	0.9673	0.5274E-02	0.4194	45.34	0.5957E-05	0.5599
1300.	0.9659	0.6821	0.9701	0.4882E-02	0.4428	47.81	0.6794E-05	0.5592
1400.	0.9687	0.6811	0.9725	0.4544E-02	0.4658	50.24	0.7676E-05	0.5588
1500.	0.9710	0.6791	0.9746	0.4249E-02	0.4883	52.64	0.8602E-05	0.5586

PRESSURE = 40.00 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
M 7.836	259.3	9.477	31.36	185.6	2.033	2.115	2.449	922.8
8.000	259.0	9.294	31.57	186.0	2.084	2.131	2.458	922.7
10.00	255.4	7.539	34.61	191.2	2.664	2.451	2.793	919.2
12.00	251.9	6.370	38.44	197.2	3.210	2.773	3.204	913.0
15.00	246.4	5.210	45.31	207.6	3.982	3.116	3.715	901.8
20.00	236.6	4.069	58.75	227.8	5.137	3.407	4.298	884.1
25.00	226.5	3.400	73.68	250.3	6.139	3.521	4.668	870.1
30.00	216.4	2.966	89.46	274.3	7.014	3.557	4.917	859.9
40.00	197.3	2.440	122.4	325.1	8.474	3.546	5.212	848.9
50.00	180.2	2.137	156.0	378.0	9.654	3.503	5.356	847.1
60.00	165.3	1.942	189.9	431.9	10.64	3.459	5.420	851.5
80.00	141.2	1.705	257.3	540.7	12.20	3.387	5.437	871.0
100.0	123.0	1.566	323.9	649.1	13.41	3.335	5.401	897.8
120.0	109.0	1.473	389.6	756.7	14.39	3.297	5.357	927.6
140.0	97.85	1.406	454.6	863.4	15.21	3.269	5.318	958.4
160.0	88.83	1.355	519.1	969.4	15.92	3.247	5.285	989.4
180.0	81.36	1.315	583.2	1075.	16.54	3.230	5.259	1020.
200.0	75.06	1.283	646.9	1180.	17.10	3.217	5.239	1050.
220.0	69.68	1.256	710.4	1284.	17.59	3.206	5.223	1080.
240.0	65.03	1.234	773.7	1389.	18.05	3.196	5.210	1109.
260.0	60.97	1.215	836.8	1493.	18.47	3.189	5.200	1138.
280.0	57.39	1.198	899.8	1597.	18.85	3.182	5.193	1166.
300.0	54.20	1.184	962.6	1701.	19.21	3.176	5.187	1193.
350.0	47.61	1.156	1119.	1960.	20.01	3.165	5.177	1260.
400.0	42.44	1.134	1276.	2218.	20.70	3.157	5.171	1324.
500.0	34.87	1.104	1588.	2735.	21.85	3.146	5.167	1443.
600.0	29.59	1.085	1900.	3252.	22.79	3.139	5.168	1555.
700.0	25.69	1.071	2212.	3769.	23.59	3.135	5.169	1660.
800.0	22.69	1.061	2523.	4286.	24.28	3.132	5.171	1758.
900.0	20.32	1.053	2834.	4803.	24.89	3.129	5.173	1852.
1000.	18.39	1.047	3146.	5320.	25.43	3.127	5.174	1942.
1100.	16.80	1.042	3457.	5838.	25.93	3.126	5.176	2028.
1200.	15.46	1.038	3768.	6355.	26.38	3.125	5.177	2110.
1300.	14.32	1.034	4080.	6873.	26.79	3.124	5.179	2190.
1400.	13.33	1.032	4391.	7391.	27.18	3.123	5.180	2267.
1500.	12.47	1.029	4702.	7909.	27.53	3.122	5.181	2341.

PRESSURE = 40.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
7.836	0.5965E-01	2.647	0.2097	0.1036	0.1142	58.67	0.1799E-06	1.258
8.000	0.5953E-01	2.577	0.2092	0.1035	0.1155	56.92	0.1815E-06	1.211
10.00	0.6791E-01	2.054	0.2112	0.1020	0.1288	42.44	0.1806E-06	0.9201
12.00	0.8458E-01	1.834	0.2200	0.1006	0.1382	34.17	0.1712E-06	0.7924
15.00	0.1149	1.676	0.2380	0.9832E-01	0.1465	26.52	0.1600E-06	0.6726
20.00	0.1695	1.542	0.2727	0.9431E-01	0.1507	19.55	0.1481E-06	0.5578
25.00	0.2241	1.454	0.3093	0.9016E-01	0.1482	15.97	0.1402E-06	0.5029
30.00	0.2762	1.384	0.3455	0.8604E-01	0.1430	14.01	0.1343E-06	0.4818
40.00	0.3687	1.274	0.4135	0.7826E-01	0.1313	12.35	0.1276E-06	0.4904
50.00	0.4442	1.190	0.4729	0.7133E-01	0.1222	11.99	0.1266E-06	0.5254
60.00	0.5042	1.124	0.5230	0.6530E-01	0.1167	12.13	0.1303E-06	0.5634
80.00	0.5891	1.027	0.5995	0.5562E-01	0.1135	12.90	0.1479E-06	0.6178
100.0	0.6444	0.9616	0.6534	0.4835E-01	0.1160	13.77	0.1746E-06	0.6415
120.0	0.6833	0.9145	0.6932	0.4277E-01	0.1208	14.60	0.2070E-06	0.6473
140.0	0.7127	0.8794	0.7239	0.3835E-01	0.1267	15.37	0.2435E-06	0.6451
160.0	0.7363	0.8523	0.7487	0.3478E-01	0.1330	16.10	0.2833E-06	0.6398
180.0	0.7559	0.8309	0.7692	0.3182E-01	0.1394	16.80	0.3259E-06	0.6335
200.0	0.7726	0.8136	0.7867	0.2934E-01	0.1459	17.51	0.3710E-06	0.6286
220.0	0.7873	0.7993	0.8017	0.2722E-01	0.1523	18.18	0.4185E-06	0.6234
240.0	0.8002	0.7874	0.8149	0.2539E-01	0.1587	18.83	0.4684E-06	0.6183
260.0	0.8118	0.7772	0.8265	0.2379E-01	0.1651	19.47	0.5206E-06	0.6133
280.0	0.8222	0.7686	0.8369	0.2238E-01	0.1714	20.09	0.5751E-06	0.6086
300.0	0.8316	0.7611	0.8462	0.2113E-01	0.1776	20.69	0.6318E-06	0.6043
350.0	0.8517	0.7461	0.8657	0.1855E-01	0.1930	22.17	0.7833E-06	0.5946
400.0	0.8680	0.7350	0.8813	0.1653E-01	0.2082	23.61	0.9485E-06	0.5866
500.0	0.8926	0.7197	0.9043	0.1357E-01	0.2376	26.41	0.1319E-05	0.5743
600.0	0.9102	0.7097	0.9204	0.1150E-01	0.2661	29.13	0.1740E-05	0.5657
700.0	0.9233	0.7028	0.9323	0.9981E-02	0.2936	31.79	0.2211E-05	0.5596
800.0	0.9334	0.6977	0.9414	0.8815E-02	0.3203	34.39	0.2730E-05	0.5552
900.0	0.9413	0.6938	0.9484	0.7891E-02	0.3462	36.94	0.3294E-05	0.5519
1000.	0.9477	0.6907	0.9541	0.7142E-02	0.3714	39.45	0.3902E-05	0.5496
1100.	0.9530	0.6882	0.9587	0.6522E-02	0.3960	41.92	0.4553E-05	0.5480
1200.	0.9573	0.6862	0.9626	0.6001E-02	0.4200	44.36	0.5246E-05	0.5468
1300.	0.9610	0.6845	0.9658	0.5557E-02	0.4434	46.75	0.5980E-05	0.5460
1400.	0.9642	0.6831	0.9686	0.5174E-02	0.4664	49.12	0.6753E-05	0.5456
1500.	0.9669	0.6819	0.9709	0.4840E-02	0.4888	51.46	0.7565E-05	0.5453

PRESSURE = 50.00 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	VSOUND [m/s]
M 8.996	269.7	9.920	38.72	224.1	2.116	2.410	2.799	989.9
10.00	267.9	8.985	40.29	226.9	2.414	2.496	2.850	989.6
12.00	264.6	7.581	43.93	232.9	2.957	2.753	3.136	986.9
15.00	259.7	6.179	50.48	243.0	3.707	3.086	3.589	979.1
20.00	251.2	4.792	63.37	262.4	4.822	3.402	4.150	964.2
25.00	242.2	3.975	77.76	284.2	5.791	3.537	4.522	951.1
30.00	233.2	3.441	93.04	307.5	6.639	3.587	4.777	941.0
40.00	215.6	2.791	125.1	357.0	8.061	3.587	5.093	928.7
50.00	199.4	2.414	158.1	408.9	9.218	3.547	5.263	924.7
60.00	184.9	2.170	191.5	462.0	10.19	3.503	5.352	926.4
80.00	160.6	1.674	258.4	569.8	11.74	3.426	5.410	940.5
100.0	141.6	1.700	324.9	677.9	12.94	3.369	5.398	962.6
120.0	126.6	1.584	390.7	785.6	13.92	3.327	5.366	988.4
140.0	114.5	1.502	455.9	892.6	14.75	3.295	5.331	1016.
160.0	104.5	1.439	520.6	998.9	15.46	3.271	5.300	1044.
180.0	96.20	1.390	584.9	1105.	16.08	3.251	5.273	1072.
200.0	89.12	1.350	648.8	1210.	16.64	3.235	5.251	1101.
220.0	83.03	1.318	712.5	1315.	17.14	3.223	5.234	1128.
240.0	77.72	1.290	775.9	1419.	17.59	3.212	5.219	1156.
260.0	73.07	1.267	839.2	1523.	18.01	3.203	5.208	1183.
280.0	68.94	1.247	902.3	1628.	18.39	3.195	5.198	1209.
300.0	65.26	1.229	965.3	1731.	18.75	3.189	5.191	1235.
350.0	57.59	1.194	1122.	1991.	19.55	3.176	5.178	1299.
400.0	51.53	1.168	1279.	2249.	20.24	3.166	5.170	1360.
500.0	42.57	1.131	1591.	2766.	21.39	3.153	5.164	1476.
600.0	36.26	1.106	1903.	3282.	22.34	3.145	5.163	1584.
700.0	31.57	1.089	2215.	3799.	23.13	3.139	5.164	1686.
800.0	27.95	1.076	2526.	4315.	23.82	3.135	5.166	1783.
900.0	25.07	1.067	2838.	4832.	24.43	3.132	5.168	1875.
1000.	22.73	1.059	3149.	5349.	24.98	3.130	5.170	1963.
1100.	20.79	1.053	3460.	5866.	25.47	3.128	5.172	2048.
1200.	19.15	1.048	3772.	6383.	25.92	3.127	5.173	2129.
1300.	17.75	1.043	4083.	6901.	26.33	3.126	5.175	2208.
1400.	16.54	1.040	4394.	7418.	26.72	3.125	5.176	2284.
1500.	15.48	1.037	4706.	7936.	27.07	3.124	5.177	2357.

PRESSURE = 50.00 [MPa]

TEMP [K]	$\left(\frac{\partial V}{\partial T}\right)_P$	$\left(\frac{\partial V}{\partial P}\right)_T$	$\left(\frac{\partial \rho}{\partial T}\right)_P$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
8.996	0.6444E-01	2.508	0.2197	0.1079	0.1409	70.74	0.1866E-06	1.406
10.00	0.6430E-01	2.209	0.2176	0.1072	0.1480	60.16	0.1838E-06	1.158
12.00	0.7326E-01	1.896	0.2210	0.1058	0.1593	46.58	0.1920E-06	0.9167
15.00	0.9565E-01	1.703	0.2335	0.1038	0.1703	34.71	0.1827E-06	0.7313
20.00	0.1402	1.570	0.2613	0.1003	0.1777	24.31	0.1704E-06	0.5679
25.00	0.1865	1.493	0.2917	0.9659E-01	0.1769	19.04	0.1615E-06	0.4868
30.00	0.2318	1.432	0.3226	0.9288E-01	0.1720	16.15	0.1544E-06	0.4485
40.00	0.3148	1.333	0.3818	0.8570E-01	0.1586	13.56	0.1444E-06	0.4356
50.00	0.3858	1.254	0.4351	0.7911E-01	0.1463	12.80	0.1394E-06	0.4606
60.00	0.4446	1.188	0.4816	0.7321E-01	0.1374	12.77	0.1388E-06	0.4978
80.00	0.5323	1.088	0.5559	0.6341E-01	0.1285	13.46	0.1479E-06	0.5665
100.0	0.5924	1.017	0.6105	0.5580E-01	0.1274	14.36	0.1686E-06	0.6085
120.0	0.6356	0.9644	0.6520	0.4980E-01	0.1301	15.21	0.1915E-06	0.6274
140.0	0.6685	0.9244	0.6845	0.4497E-01	0.1347	15.98	0.2206E-06	0.6328
160.0	0.6947	0.8932	0.7109	0.4101E-01	0.1401	16.69	0.2529E-06	0.6314
180.0	0.7165	0.8681	0.7330	0.3770E-01	0.1460	17.35	0.2878E-06	0.6266
200.0	0.7351	0.8476	0.7518	0.3489E-01	0.1520	18.01	0.3249E-06	0.6219
220.0	0.7512	0.8306	0.7682	0.3248E-01	0.1582	18.62	0.3640E-06	0.6163
240.0	0.7655	0.8153	0.7826	0.3039E-01	0.1643	19.21	0.4049E-06	0.6103
260.0	0.7783	0.8041	0.7954	0.2855E-01	0.1704	19.77	0.4477E-06	0.6043
280.0	0.7899	0.7936	0.8068	0.2693E-01	0.1764	20.32	0.4923E-06	0.5986
300.0	0.8004	0.7845	0.8171	0.2548E-01	0.1825	20.85	0.5387E-06	0.5931
350.0	0.8229	0.7662	0.8391	0.2246E-01	0.1974	22.15	0.6620E-06	0.5810
400.0	0.8413	0.7525	0.8567	0.2008E-01	0.2121	23.42	0.7960E-06	0.5710
500.0	0.8696	0.7335	0.8833	0.1658E-01	0.2407	25.91	0.1095E-05	0.5557
600.0	0.8902	0.7210	0.9023	0.1411E-01	0.2686	28.35	0.1435E-05	0.5451
700.0	0.9057	0.7123	0.9164	0.1228E-01	0.2957	30.77	0.1813E-05	0.5375
800.0	0.9177	0.7058	0.9273	0.1087E-01	0.3220	33.16	0.2230E-05	0.5321
900.0	0.9273	0.7009	0.9359	0.9743E-02	0.3476	35.53	0.2683E-05	0.5281
1000.	0.9351	0.6970	0.9428	0.8830E-02	0.3727	37.86	0.3171E-05	0.5253
1100.	0.9415	0.6939	0.9485	0.8073E-02	0.3971	40.17	0.3694E-05	0.5232
1200.	0.9469	0.6913	0.9532	0.7435E-02	0.4209	42.45	0.4249E-05	0.5217
1300.	0.9514	0.6892	0.9572	0.6890E-02	0.4443	44.71	0.4838E-05	0.5208
1400.	0.9553	0.6874	0.9606	0.6419E-02	0.4672	46.94	0.5458E-05	0.5201
1500.	0.9586	0.6858	0.9636	0.6008E-02	0.4896	49.16	0.6109E-05	0.5198

PRESSURE = 60.00 [MPa]								
	TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]
M	10.08	278.8	10.28	46.15	261.3	2.197	2.665	3.108
	12.00	275.6	8.735	49.56	267.3	2.739	2.784	3.167
	15.00	271.0	7.106	55.88	277.3	3.482	3.069	3.517
	20.00	263.2	5.486	68.34	296.3	4.570	3.390	4.039
	25.00	255.2	4.528	82.29	317.4	5.513	3.541	4.405
	30.00	246.9	3.899	97.15	340.1	6.340	3.604	4.664
	40.00	230.7	3.131	128.5	388.6	7.732	3.618	4.994
	50.00	215.3	2.683	160.9	439.5	8.868	3.583	5.182
	60.00	201.3	2.392	193.8	492.0	9.823	3.539	5.290
	80.00	177.2	2.038	260.2	598.9	11.36	3.459	5.379
	100.0	157.8	1.830	326.4	706.6	12.56	3.398	5.389
	120.0	142.2	1.693	392.2	814.2	13.54	3.353	5.369
	140.0	129.3	1.595	457.4	921.3	14.37	3.318	5.341
	160.0	118.7	1.521	522.2	1028.	15.08	3.291	5.312
	180.0	109.7	1.463	586.6	1134.	15.70	3.270	5.286
	200.0	101.9	1.417	650.7	1239.	16.26	3.253	5.263
	220.0	95.26	1.378	714.5	1344.	16.76	3.238	5.244
	240.0	89.42	1.346	778.1	1449.	17.22	3.226	5.229
	260.0	84.26	1.318	841.5	1554.	17.63	3.216	5.216
	280.0	79.68	1.295	904.7	1658.	18.02	3.208	5.205
	300.0	75.57	1.274	967.8	1762.	18.38	3.200	5.196
	350.0	66.96	1.233	1125.	2021.	19.18	3.185	5.180
	400.0	60.12	1.201	1282.	2280.	19.87	3.174	5.171
	500.0	49.92	1.157	1595.	2796.	21.02	3.159	5.162
	600.0	42.68	1.128	1907.	3312.	21.96	3.150	5.160
	700.0	37.26	1.107	2218.	3828.	22.76	3.143	5.160
	800.0	33.06	1.092	2530.	4345.	23.45	3.139	5.162
	900.0	29.71	1.080	2841.	4861.	24.06	3.135	5.164
	1000.	26.97	1.071	3153.	5377.	24.60	3.133	5.166
	1100.	24.69	1.064	3464.	5894.	25.09	3.130	5.168
	1200.	22.76	1.057	3775.	6411.	25.54	3.129	5.170
	1300.	21.11	1.052	4086.	6928.	25.96	3.127	5.171
	1400.	19.69	1.048	4398.	7445.	26.34	3.126	5.173
	1500.	18.44	1.044	4709.	7963.	26.70	3.125	5.174

PRESSURE = 60.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial f}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m*K]	VISC [μPa*s]	THDIFF [M ² /S]	PRANDTL
10.00	0.6677E-01	2.415	0.2282	0.1117	0.1676	83.00	0.1935E-06	1.539
12.00	0.6693E-01	1.996	0.2250	0.1103	0.1799	62.23	0.2061E-06	1.096
15.00	0.8395E-01	1.738	0.2323	0.1084	0.1932	44.42	0.2027E-06	0.8087
20.00	0.1204	1.591	0.2544	0.1052	0.2035	29.58	0.1914E-06	0.5870
25.00	0.1604	1.520	0.2802	0.1019	0.2045	22.27	0.1820E-06	0.4797
30.00	0.2004	1.467	0.3070	0.9653E-01	0.2004	18.29	0.1740E-06	0.4257
40.00	0.2758	1.379	0.3595	0.9185E-01	0.1861	14.66	0.1616E-06	0.3934
50.00	0.3421	1.305	0.4079	0.8558E-01	0.1713	13.47	0.1536E-06	0.4073
60.00	0.3987	1.241	0.4511	0.7986E-01	0.1593	13.24	0.1497E-06	0.4396
80.00	0.4867	1.141	0.5222	0.7010E-01	0.1449	13.83	0.1520E-06	0.5133
100.0	0.5493	1.066	0.5763	0.6229E-01	0.1398	14.76	0.1644E-06	0.5691
120.0	0.5953	1.010	0.6183	0.5601E-01	0.1399	15.67	0.1834E-06	0.6013
140.0	0.6307	0.9663	0.6517	0.5088E-01	0.1429	16.48	0.2069E-06	0.6159
160.0	0.6589	0.9315	0.6791	0.4662E-01	0.1473	17.20	0.2338E-06	0.6201
180.0	0.6824	0.9034	0.7022	0.4304E-01	0.1525	17.84	0.2632E-06	0.6184
200.0	0.7023	0.8802	0.7219	0.3997E-01	0.1581	18.47	0.2947E-06	0.6149
220.0	0.7197	0.8608	0.7391	0.3732E-01	0.1638	19.04	0.3280E-06	0.6095
240.0	0.7350	0.8444	0.754	0.3501E-01	0.1697	19.57	0.3629E-06	0.6031
260.0	0.7488	0.8303	0.7679	0.3297E-01	0.1755	20.07	0.3994E-06	0.5965
280.0	0.7612	0.8181	0.7801	0.3116E-01	0.1814	20.56	0.4374E-06	0.5899
300.0	0.7725	0.8075	0.7912	0.2954E-01	0.1872	21.02	0.4768E-06	0.5835
350.0	0.7969	0.7860	0.8149	0.2615E-01	0.2017	22.15	0.5814E-06	0.5691
400.0	0.8170	0.7699	0.8341	0.2346E-01	0.2159	23.26	0.6947E-06	0.5569
500.0	0.8482	0.7473	0.8636	0.1945E-01	0.2439	25.45	0.9464E-06	0.5386
600.0	0.8712	0.7324	0.8849	0.1662E-01	0.2711	27.63	0.1231E-05	0.5258
700.0	0.8888	0.7218	0.9011	0.1450E-01	0.2977	29.82	0.1548E-05	0.5168
800.0	0.9027	0.7141	0.9136	0.1286E-01	0.3237	32.00	0.1897E-05	0.5103
900.0	0.9137	0.7081	0.9236	0.1155E-01	0.3490	34.18	0.2275E-05	0.5057
1000.	0.9227	0.7034	0.9316	0.1048E-01	0.3738	36.34	0.2683E-05	0.5023
1100.	0.9302	0.6997	0.9383	0.9592E-02	0.3980	38.49	0.3119E-05	0.4998
1200.	0.9365	0.6966	0.9439	0.8842E-02	0.4217	40.63	0.3584E-05	0.4981
1300.	0.9419	0.6940	0.9486	0.8200E-02	0.4450	42.75	0.4075E-05	0.4959
1400.	0.9464	0.6918	0.9527	0.7645E-02	0.4678	44.86	0.4593E-05	0.4961
1500.	0.9504	0.6899	0.9562	0.7159E-02	0.4902	46.95	0.5137E-05	0.4956

PRESSURE = 70.00 [MPa]								
TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _v [J/g·K]	C _p [J/g·K]	V_SOUND [m/s]
M 11.10	287.0	10.58	53.58	297.5	2.273	2.885	3.380	1102.
12.00	285.4	9.839	55.24	300.5	2.534	2.885	3.319	1103.
15.00	280.9	7.999	61.40	310.6	3.289	3.074	3.499	1103.
20.00	273.7	6.157	73.51	329.3	4.359	3.377	3.956	1094.
25.00	266.3	5.063	87.11	350.0	5.282	3.539	4.310	1084.
30.00	258.7	4.343	101.6	372.2	6.092	3.613	4.568	1075.
40.00	243.5	3.460	132.3	419.8	7.457	3.641	4.908	1063.
50.00	228.9	2.944	164.2	469.9	8.576	3.611	5.110	1057.
60.00	215.4	2.608	196.7	521.7	9.519	3.569	5.232	1056.
80.00	191.6	2.198	262.4	627.7	11.04	3.488	5.347	1063.
100.0	172.1	1.958	328.3	735.0	12.24	3.425	5.376	1079.
120.0	156.0	1.800	393.9	842.5	13.22	3.377	5.368	1099.
140.0	142.7	1.687	459.2	949.7	14.05	3.340	5.347	1122.
160.0	131.5	1.602	524.0	1056.	14.76	3.311	5.321	1146.
180.0	121.9	1.535	588.5	1163.	15.38	3.287	5.297	1170.
200.0	113.7	1.482	652.6	1268.	15.94	3.268	5.275	1195.
220.0	106.5	1.438	716.5	1374.	16.44	3.253	5.255	1219.
240.0	100.3	1.401	780.2	1478.	16.90	3.240	5.239	1244.
260.0	94.67	1.369	843.7	1583.	17.32	3.229	5.224	1268.
280.0	89.69	1.342	907.0	1687.	17.70	3.219	5.213	1293.
300.0	85.22	1.318	970.2	1792.	18.06	3.211	5.203	1316.
350.0	75.79	1.270	1128.	2051.	18.86	3.194	5.184	1375.
400.0	68.26	1.234	1285.	2310.	19.56	3.182	5.173	1432.
500.0	56.95	1.183	1598.	2827.	20.71	3.166	5.161	1540.
600.0	48.86	1.150	1910.	3343.	21.65	3.155	5.157	1642.
700.0	42.77	1.126	2222.	3858.	22.44	3.147	5.157	1739.
800.0	38.02	1.108	2533.	4374.	23.13	3.142	5.158	1832.
900.0	34.22	1.094	2844.	4890.	23.74	3.138	5.160	1921.
1000.	31.11	1.083	3156.	5406.	24.28	3.135	5.162	2006.
1100.	28.51	1.075	3467.	5922.	24.78	3.133	5.164	2088.
1200.	26.31	1.067	3778.	6439.	25.23	3.131	5.166	2167.
1300.	24.42	1.061	4090.	6956.	25.64	3.129	5.168	2244.
1400.	22.79	1.056	4401.	7472.	26.02	3.128	5.170	2318.
1500.	21.36	1.052	4712.	7990.	26.38	3.127	5.171	2390.

PRESSURE = 70.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_T$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THERM [m²/s]	PRANDTL
11.10	0.7276E-01	2.354	0.2354	0.1151	0.1944	95.15	0.2005E-06	1.654
12.00	0.7015E-01	2.142	0.2319	0.1144	0.2003	82.24	0.2114E-06	1.363
15.00	0.7722E-01	1.789	0.2333	0.1125	0.2154	56.00	0.2192E-06	0.9096
20.00	0.1064	1.611	0.2502	0.1096	0.2285	35.45	0.2111E-06	0.6138
25.00	0.1412	1.541	0.2723	0.1065	0.2313	25.70	0.2016E-06	0.4787
30.00	0.1770	1.494	0.2959	0.1034	0.2281	20.46	0.1931E-06	0.4098
40.00	0.2459	1.415	0.3430	0.9711E-01	0.2136	15.68	0.1788E-06	0.3603
50.00	0.3081	1.347	0.3874	0.9114E-01	0.1969	14.02	0.1683E-06	0.3637
60.00	0.3624	1.286	0.4277	0.8560E-01	0.1822	13.57	0.1617E-06	0.3898
80.00	0.4492	1.187	0.4954	0.7595E-01	0.1624	14.04	0.1585E-06	0.4623
100.0	0.5129	1.111	0.5485	0.6805E-01	0.1531	15.02	0.1655E-06	0.5272
120.0	0.5608	1.052	0.5903	0.6158E-01	0.1505	16.00	0.1796E-06	0.5710
140.0	0.5979	1.005	0.6241	0.5623E-01	0.1516	16.88	0.1986E-06	0.5954
160.0	0.6277	0.9676	0.6520	0.5174E-01	0.1547	17.63	0.2212E-06	0.6063
180.0	0.6525	0.9368	0.6756	0.4793E-01	0.1591	18.28	0.2463E-06	0.6087
200.0	0.6735	0.9113	0.6980	0.4465E-01	0.1641	18.90	0.2736E-06	0.6076
220.0	0.6918	0.8898	0.7138	0.4180E-01	0.1694	19.44	0.3026E-06	0.6031
240.0	0.7080	0.8715	0.7295	0.3930E-01	0.1749	19.93	0.3331E-06	0.5969
260.0	0.7224	0.8557	0.7437	0.3709E-01	0.1806	20.39	0.3651E-06	0.5899
280.0	0.7355	0.8419	0.7564	0.3512E-01	0.1862	20.81	0.3983E-06	0.5826
300.0	0.7475	0.8299	0.7680	0.3335E-01	0.1919	21.22	0.4327E-06	0.5754
350.0	0.7733	0.8056	0.7930	0.2963E-01	0.2059	22.20	0.5241E-06	0.5588
400.0	0.7947	0.7871	0.8135	0.2666E-01	0.2198	23.15	0.6226E-06	0.5446
500.0	0.8283	0.7611	0.8452	0.2221E-01	0.2471	25.04	0.8407E-06	0.5230
600.0	0.8534	0.7437	0.8685	0.1904E-01	0.2738	26.97	0.1087E-05	0.5081
700.0	0.8728	0.7315	0.8863	0.1665E-01	0.2998	28.93	0.1359E-05	0.4975
800.0	0.8881	0.7224	0.9003	0.1480E-01	0.3254	30.91	0.1659E-05	0.4900
900.0	0.9005	0.7154	0.9116	0.1331E-01	0.3504	32.90	0.1984E-05	0.4846
1000.	0.9107	0.7099	0.9207	0.1210E-01	0.3749	34.90	0.2335E-05	0.4806
1100.	0.9192	0.7055	0.9283	0.1108E-01	0.3989	36.90	0.2709E-05	0.4777
1200.	0.9263	0.7018	0.9347	0.1022E-01	0.4224	38.90	0.3108E-05	0.4757
1300.	0.9324	0.6988	0.9402	0.9489E-02	0.4455	40.89	0.3530E-05	0.4743
1400.	0.9377	0.6962	0.9448	0.8852E-02	0.4682	42.87	0.3974E-05	0.4733
1500.	0.9423	0.6940	0.9489	0.8295E-02	0.4905	44.85	0.4441E-05	0.4728

PRESSURE = 80.00 [MPa]								
	TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]
M	12.07	294.5	10.84	61.01	332.7	2.346	3.077	3.622
	15.00	289.8	8.860	66.98	343.0	3.112	3.110	3.540
	20.00	282.9	6.806	78.82	361.6	4.178	3.369	3.899
	25.00	276.0	5.581	92.11	382.0	5.085	3.534	4.232
	30.00	268.9	4.773	106.3	403.8	5.880	3.616	4.487
	40.00	254.7	3.780	136.4	450.5	7.222	3.658	4.832
	50.00	240.8	3.199	167.8	500.0	8.325	3.635	5.045
	60.00	227.7	2.819	199.9	551.2	9.258	3.594	5.179
	80.00	204.4	2.355	265.0	656.3	10.77	3.514	5.316
	100.0	184.9	2.083	330.5	763.2	11.96	3.448	5.361
	120.0	168.6	1.904	395.9	870.5	12.94	3.398	5.365
	140.0	154.9	1.776	461.1	977.7	13.77	3.359	5.350
	160.0	143.2	1.681	525.9	1084.	14.48	3.328	5.329
	180.0	133.2	1.606	590.4	1191.	15.11	3.303	5.306
	200.0	124.6	1.546	654.7	1297.	15.66	3.283	5.285
	220.0	117.0	1.495	718.5	1402.	16.17	3.266	5.265
	240.0	110.3	1.454	782.4	1507.	16.62	3.252	5.248
	260.0	104.4	1.419	845.9	1612.	17.04	3.240	5.233
	280.0	99.09	1.388	909.3	1717.	17.43	3.230	5.221
	300.0	94.29	1.361	972.6	1821.	17.79	3.221	5.210
	350.0	84.15	1.308	1130.	2081.	18.59	3.203	5.189
	400.0	76.00	1.267	1287.	2340.	19.28	3.190	5.175
	500.0	63.68	1.210	1601.	2857.	20.44	3.171	5.161
	600.0	54.81	1.171	1913.	3373.	21.38	3.160	5.155
	700.0	48.10	1.144	2225.	3888.	22.17	3.151	5.154
	800.0	42.65	1.124	2536.	4403.	22.86	3.146	5.155
	900.0	38.62	1.108	2848.	4919.	23.47	3.141	5.157
	1000.	35.15	1.096	3150.	5435.	24.01	3.138	5.159
	1100.	32.25	1.086	3470.	5951.	24.50	3.135	5.161
	1200.	29.79	1.077	3781.	6467.	24.95	3.133	5.163
	1300.	27.68	1.070	4093.	6983.	25.37	3.131	5.165
	1400.	25.84	1.065	4404.	7500.	25.75	3.129	5.167
	1500.	24.23	1.060	4715.	8017.	26.10	3.128	5.168

PRESSURE = 80.00 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M²/S]	PRANDTL
12.07	0.7646E-01	2.314	0.2416	0.1182	0.2213	106.9	0.2075E-06	1.750
15.00	0.7425E-01	1.862	0.2360	0.1162	0.2373	69.89	0.2313E-06	1.043
20.00	0.9645E-01	1.634	0.2478	0.1134	0.2528	42.01	0.2292E-06	0.6479
25.00	0.1267	1.559	0.2667	0.1105	0.2574	29.33	0.2204E-06	0.4823
30.00	0.1589	1.515	0.2876	0.1076	0.2553	22.67	0.2115E-06	0.3986
40.00	0.2223	1.445	0.3304	0.1017	0.2409	16.64	0.1958E-06	0.3337
50.00	0.2808	1.382	0.3714	0.9602E-01	0.2227	14.47	0.1833E-06	0.3277
60.00	0.3327	1.325	0.4091	0.9065E-01	0.2057	13.80	0.1744E-06	0.3474
80.00	0.4178	1.228	0.4737	0.8115E-01	0.1808	14.13	0.1664E-06	0.4155
100.0	0.4819	1.151	0.5253	0.7322E-01	0.1673	15.15	0.1688E-06	0.4853
120.0	0.5309	1.090	0.5668	0.6663E-01	0.1616	16.22	0.1787E-06	0.5385
140.0	0.5693	1.041	0.6006	0.6111E-01	0.1605	17.18	0.1938E-06	0.5723
160.0	0.6003	1.001	0.6287	0.5644E-01	0.1624	17.99	0.2127E-06	0.5905
180.0	0.6260	0.9686	0.6526	0.5244E-01	0.1657	18.68	0.2344E-06	0.5980
200.0	0.6479	0.9410	0.6733	0.4889E-01	0.1701	19.30	0.2583E-06	0.5998
220.0	0.6670	0.9176	0.6914	0.4587E-01	0.1749	19.83	0.2839E-06	0.5970
240.0	0.6838	0.8976	0.7076	0.4331E-01	0.1801	20.29	0.3110E-06	0.5914
260.0	0.6988	0.8803	0.7221	0.4095E-01	0.1854	20.71	0.3394E-06	0.5844
280.0	0.7125	0.8651	0.7352	0.3884E-01	0.1909	21.09	0.3690E-06	0.5768
300.0	0.7249	0.8518	0.7472	0.3694E-01	0.1864	21.44	0.3997E-06	0.5690
350.0	0.7518	0.8248	0.7731	0.3283E-01	0.2101	22.28	0.4810E-06	0.5504
400.0	0.7743	0.8041	0.7945	0.2971E-01	0.2236	23.08	0.5686E-06	0.5341
500.0	0.8097	0.7748	0.8280	0.2486E-01	0.2503	24.70	0.7616E-06	0.5092
600.0	0.8365	0.7551	0.8530	0.2137E-01	0.2764	26.37	0.9783E-06	0.4919
700.0	0.8575	0.7412	0.8723	0.1874E-01	0.3020	28.11	0.1218E-05	0.4797
800.0	0.8742	0.7308	0.8876	0.1668E-01	0.3271	28.89	0.1481E-05	0.4711
900.0	0.8878	0.7228	0.8999	0.1503E-01	0.3518	31.71	0.1766E-05	0.4648
1000.	0.8990	0.7165	0.9101	0.1367E-01	0.3760	33.55	0.2073E-05	0.4603
1100.	0.9084	0.7114	0.9185	0.1254E-01	0.3998	35.40	0.2402E-05	0.4570
1200.	0.9164	0.7072	0.9257	0.1158E-01	0.4231	37.26	0.2751E-05	0.4546
1300.	0.9232	0.7037	0.9318	0.1076E-01	0.4461	39.12	0.3121E-05	0.4530
1400.	0.9291	0.7007	0.9370	0.1004E-01	0.4686	40.98	0.3510E-05	0.4519
1500.	0.9342	0.6981	0.9416	0.9414E-02	0.4908	42.85	0.3919E-05	0.4512

PRESSURE = 90.00 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V SOUND [m/s]
M 13.00	301.3	11.06	68.41	367.1	2.413	3.246	3.840	1196.
15.00	298.0	9.692	72.56	374.5	2.944	3.185	3.650	1200.
20.00	291.3	7.437	84.20	393.2	4.016	3.368	3.868	1199.
25.00	284.7	6.086	97.23	413.3	4.912	3.528	4.170	1193.
30.00	278.1	5.193	111.2	434.8	5.696	3.616	4.418	1185.
40.00	264.6	4.093	140.7	480.8	7.018	3.669	4.765	1174.
50.00	251.4	3.447	171.7	529.7	8.107	3.653	4.986	1168.
60.00	238.7	3.025	203.3	580.3	9.029	3.616	5.130	1165.
80.00	215.9	2.508	267.9	684.7	10.53	3.536	5.285	1169.
100.0	196.5	2.205	333.0	791.1	11.72	3.470	5.345	1181.
120.0	180.0	2.006	398.2	898.2	12.69	3.418	5.359	1198.
140.0	166.0	1.864	463.2	1005.	13.52	3.377	5.352	1217.
160.0	154.1	1.758	528.0	1112.	14.23	3.344	5.335	1238.
180.0	143.7	1.675	582.5	1219.	14.86	3.318	5.315	1259.
200.0	134.7	1.608	656.7	1325.	15.42	3.297	5.294	1281.
220.0	126.8	1.553	720.7	1430.	15.92	3.279	5.275	1304.
240.0	119.8	1.507	784.5	1536.	16.38	3.264	5.258	1326.
260.0	113.5	1.468	848.2	1641.	16.80	3.251	5.243	1349.
280.0	107.9	1.434	911.6	1746.	17.19	3.240	5.229	1371.
300.0	102.9	1.404	974.9	1850.	17.55	3.230	5.217	1393.
350.0	92.07	1.344	1133.	2110.	18.35	3.211	5.195	1447.
400.0	83.37	1.299	1290.	2370.	19.04	3.197	5.179	1500.
500.0	70.14	1.235	1603.	2886.	20.20	3.177	5.162	1602.
600.0	60.55	1.193	1916.	3402.	21.14	3.164	5.155	1700.
700.0	53.26	1.162	2228.	3918.	21.93	3.155	5.152	1792.
800.0	47.53	1.139	2539.	4433.	22.62	3.149	5.152	1881.
900.0	42.91	1.122	2851.	4948.	23.23	3.144	5.154	1967.
1000.	39.11	1.108	3162.	5464.	23.77	3.140	5.156	2049.
1100.	35.92	1.097	3473.	5979.	24.26	3.137	5.158	2129.
1200.	33.20	1.087	3785.	6495.	24.71	3.135	5.160	2206.
1300.	30.87	1.080	4096.	7011.	25.12	3.133	5.162	2281.
1400.	28.84	1.073	4407.	7527.	25.51	3.131	5.164	2353.
1500.	27.06	1.067	4718.	8044.	25.86	3.130	5.165	2424.

TEMP [K]	PRESSURE = 90.00 [MPa]			DIEL - 1	CONDUCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{E}{\rho} \frac{\partial \rho}{\partial P}\right)_T$					
13.00	0.7992E-01	2.2E9	0.2471	0.1210	0.2482	118.1	0.2145E-06	1.828
15.00	0.7448E-01	1.9E8	0.2404	0.1197	0.2591	86.68	0.2382E-06	1.221
20.00	0.8939E-01	1.6E1	0.2468	0.1168	0.2767	49.35	0.2456E-06	0.6900
25.00	0.1155	1.5E6	0.2627	0.1141	0.2830	33.21	0.2383E-06	0.4895
30.00	0.1446	1.5E3	0.2813	0.1114	0.2819	24.94	0.2294E-06	0.3908
40.00	0.2032	1.4E0	0.3204	0.1058	0.2680	17.54	0.2125E-06	0.3118
50.00	0.2583	1.4E-2	0.3585	0.1004	0.2486	14.85	0.1984E-06	0.2977
60.00	0.3080	1.3E9	0.3939	0.9517E-01	0.2296	13.94	0.1875E-06	0.3114
80.00	0.3911	1.2E5	0.4556	0.8583E-01	0.2000	14.13	0.1752E-06	0.3734
100.0	0.4551	1.1E8	0.5058	0.7791E-01	0.1823	15.18	0.1736E-06	0.4450
120.0	0.5047	1.1E6	0.5466	0.7124E-01	0.1733	16.34	0.1797E-06	0.5052
140.0	0.5440	1.0E5	0.5802	0.6560E-01	0.1700	17.39	0.1914E-06	0.5475
160.0	0.5759	1.0E3	0.6084	0.6078E-01	0.1702	18.29	0.2071E-06	0.5732
180.0	0.6024	0.9987	0.6324	0.5664E-01	0.1725	19.02	0.2258E-06	0.5862
200.0	0.6250	0.9694	0.6533	0.5303E-01	0.1760	19.67	0.2468E-06	0.5918
220.0	0.6447	0.9443	0.6717	0.4987E-01	0.1804	20.21	0.2696E-06	0.5911
240.0	0.6620	0.9228	0.6880	0.4708E-01	0.1851	20.66	0.2939E-06	0.5867
260.0	0.6776	0.9041	0.7028	0.4459E-01	0.1902	21.05	0.3195E-06	0.5801
280.0	0.6916	0.8887	0.7162	0.4235E-01	0.1954	21.39	0.3462E-06	0.5723
300.0	0.7044	0.8732	0.7284	0.4034E-01	0.2007	21.70	0.3740E-06	0.5641
350.0	0.7322	0.8496	0.7549	0.3606E-01	0.2141	22.40	0.4478E-08	0.5437
400.0	0.7555	0.8218	0.7770	0.3262E-01	0.2274	23.07	0.5266E-06	0.5255
500.0	0.7924	0.7844	0.8119	0.2740E-01	0.2535	24.41	0.7003E-06	0.4970
600.0	0.8207	0.7615	0.8383	0.2362E-01	0.2792	25.85	0.8945E-06	0.4772
700.0	0.8429	0.7519	0.8588	0.2075E-01	0.3043	27.37	0.1109E-05	0.4634
800.0	0.8608	0.7312	0.8753	0.1852E-01	0.3290	28.96	0.1343E-05	0.4535
900.0	0.8754	0.7312	0.8886	0.1671E-01	0.3533	30.60	0.1597E-05	0.4464
1000.	0.8876	0.7221	0.8997	0.1522E-01	0.3772	32.28	0.1871E-05	0.4412
1100.	0.8979	0.7133	0.9089	0.1397E-01	0.4007	33.98	0.2163E-05	0.4375
1200.	0.9066	0.7126	0.9168	0.1281E-01	0.4238	35.71	0.2474E-05	0.4348
1300.	0.9141	0.7046	0.9235	0.1200E-01	0.4466	37.45	0.2803E-05	0.4329
1400.	0.9206	0.7022	0.9293	0.1121E-01	0.4690	39.20	0.3149E-05	0.4316
1500.	0.9263	0.7023	0.9344	0.1052E-01	0.4910	40.95	0.3513E-05	0.4308

PRESSURE = 100.0 [MPa]								
TEMP [K]	DENSITY [kg/m³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	Cv [J/g·K]	Cp [J/g·K]	V_SOUND [m/s]
M 13.89	307.7	11.26	75.76	400.8	2.476	3.397	4.039	1238.
15.00	305.8	10.50	78.10	405.1	2.777	3.311	3.846	1241.
20.00	298.9	8.052	89.62	424.1	3.869	3.378	3.863	1245.
25.00	292.7	6.579	102.4	444.1	4.759	3.523	4.123	1240.
30.00	286.4	5.603	116.1	465.3	5.532	3.614	4.359	1234.
15.00	305.8	10.50	78.10	405.1	2.777	3.311	3.846	1241.
20.00	298.9	8.052	89.62	424.1	3.869	3.378	3.863	1245.
25.00	292.7	6.579	102.4	444.1	4.759	3.523	4.123	1240.
30.00	286.4	5.603	116.1	465.3	5.532	3.614	4.359	1234.
40.00	273.6	4.399	145.2	510.7	6.837	3.677	4.704	1224.
50.00	260.9	3.690	175.7	559.0	7.913	3.668	4.931	1217.
60.00	248.7	3.226	207.0	609.1	8.826	3.634	5.083	1214.
80.00	226.4	2.658	271.0	712.7	10.32	3.556	5.255	1218.
100.0	207.0	2.325	335.7	818.7	11.50	3.489	5.328	1228.
120.0	190.5	2.106	400.6	925.5	12.47	3.435	5.352	1243.
140.0	175.3	1.950	465.4	1033.	13.30	3.393	5.352	1261.
160.0	164.1	1.834	530.1	1140.	14.01	3.359	5.339	1281.
180.0	153.5	1.743	594.6	1246.	14.64	3.332	5.322	1301.
200.0	144.2	1.668	658.8	1352.	15.20	3.310	5.303	1322.
220.0	136.0	1.609	722.9	1458.	15.70	3.291	5.285	1344.
240.0	128.7	1.559	786.7	1564.	16.16	3.275	5.267	1365.
260.0	122.2	1.516	850.4	1669.	16.58	3.261	5.252	1387.
280.0	116.3	1.479	913.9	1774.	16.97	3.250	5.238	1408.
300.0	111.0	1.446	977.3	1878.	17.33	3.239	5.225	1430.
350.0	99.61	1.381	1135.	2139.	18.14	3.219	5.201	1482.
400.0	90.40	1.331	1293.	2399.	18.83	3.204	5.184	1534.
500.0	76.34	1.261	1606.	2916.	19.98	3.182	5.163	1633.
600.0	66.09	1.214	1919.	3432.	20.92	3.169	5.154	1728.
700.0	58.26	1.180	2231.	3947.	21.72	3.159	5.151	1619.
800.0	52.09	1.155	2542.	4462.	22.41	3.152	5.150	1906.
900.0	47.10	1.136	2854.	4977.	23.01	3.147	5.151	1990.
1000.	42.97	1.120	3165.	5492.	23.55	3.143	5.153	2071.
1100.	39.51	1.108	3476.	6008.	24.05	3.139	5.155	2150.
1200.	36.55	1.097	3788.	6523.	24.49	3.137	5.157	2226.
1300.	34.01	1.089	4099.	7039.	24.91	3.134	5.159	2299.
1400.	31.80	1.081	4410.	7555.	25.29	3.133	5.161	2371.
1500.	29.85	1.075	4721.	8071.	25.65	3.131	5.163	2441.

TEMP [K]				PRESSURE = 100.0 [MPa]			CONDCT [W/m·K]	VISC [μPa·s]	THDIFF [M ² /S]	PRANDTL
	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial F}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1						
13.89	0.8316E-01	2.273	0.2520	0.1237	0.2752	128.6	0.2215E-06	1.887		
15.00	0.7780E-01	2.078	0.2466	0.1229	0.2810	107.1	0.2389E-06	1.466		
20.00	0.8459E-01	1.697	0.2469	0.1200	0.3002	57.60	0.2599E-06	0.7412		
25.00	0.1068	1.594	0.2599	0.1174	0.3080	37.36	0.2552E-06	0.5001		
30.00	0.1330	1.549	0.2765	0.1148	0.3080	27.26	0.2467E-06	0.3858		
40.00	0.1874	1.491	0.3123	0.1095	0.2948	18.39	0.2290E-06	0.2935		
50.00	0.2394	1.439	0.3478	0.1043	0.2745	15.16	0.2133E-06	0.2723		
60.00	0.2871	1.388	0.3813	0.9925E-01	0.2537	14.01	0.2007E-06	0.2807		
80.00	0.3680	1.298	0.4404	0.9009E-01	0.2197	14.04	0.1847E-06	0.3360		
100.0	0.4316	1.222	0.4891	0.8221E-01	0.1978	15.12	0.1793E-06	0.4072		
120.0	0.4815	1.159	0.5292	0.7549E-01	0.1856	16.37	0.1820E-06	0.4723		
140.0	0.5214	1.107	0.5624	0.6975E-01	0.1798	17.54	0.1906E-06	0.5219		
160.0	0.5540	1.064	0.5905	0.6482E-01	0.1783	18.52	0.2035E-06	0.5548		
180.0	0.5812	1.027	0.6146	0.6055E-01	0.1793	19.33	0.2195E-06	0.5737		
200.0	0.6044	0.9965	0.6355	0.5682E-01	0.1820	20.02	0.2380E-06	0.5834		
220.0	0.6246	0.9700	0.6540	0.5354E-01	0.1857	20.58	0.2584E-06	0.5856		
240.0	0.6423	0.9471	0.6705	0.5062E-01	0.1901	21.03	0.2804E-06	0.5827		
260.0	0.6582	0.9271	0.6854	0.4802E-01	0.1948	21.40	0.3036E-06	0.5769		
280.0	0.6726	0.9095	0.6990	0.4567E-01	0.1998	21.71	0.3280E-06	0.5693		
300.0	0.6858	0.8940	0.7114	0.4356E-01	0.2049	21.99	0.3534E-06	0.5608		
350.0	0.7143	0.8620	0.7384	0.3905E-01	0.2179	22.58	0.4206E-06	0.5388		
400.0	0.7381	0.8373	0.7610	0.3540E-01	0.2310	23.11	0.4929E-06	0.5187		
500.0	0.7763	0.8018	0.7970	0.2984E-01	0.2567	24.19	0.6512E-06	0.4866		
600.0	0.8057	0.7778	0.8244	0.2580E-01	0.2819	25.39	0.8275E-06	0.4642		
700.0	0.8290	0.7606	0.8460	0.2273E-01	0.3065	26.70	0.1022E-05	0.4485		
800.0	0.8479	0.7477	0.8634	0.2031E-01	0.3309	28.10	0.1233E-05	0.4373		
900.0	0.8635	0.7377	0.8777	0.1835E-01	0.3549	29.57	0.1463E-05	0.4293		
1000.	0.8766	0.7297	0.8895	0.1673E-01	0.3784	31.10	0.1709E-05	0.4234		
1100.	0.8876	0.7233	0.8995	0.1538E-01	0.4017	32.67	0.1972E-05	0.4192		
1200.	0.8970	0.7180	0.9080	0.1422E-01	0.4246	34.26	0.2252E-05	0.4161		
1300.	0.9052	0.7136	0.9154	0.1323E-01	0.4471	35.88	0.2548E-05	0.4139		
1400.	0.9122	0.7098	0.9217	0.1236E-01	0.4693	37.51	0.2860E-05	0.4124		
1500.	0.9184	0.7065	0.9272	0.1160E-01	0.4913	39.15	0.3188E-05	0.4115		

PRESSURE = 120.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _v [J/g·K]	C _p [J/g·K]	V_SOUND [m/s]
80.00	244.7	2.951	277.7	768.0	9.945	3.590	5.197	1306.
100.0	225.8	2.559	341.5	873.0	11.12	3.523	5.294	1315.
120.0	209.2	2.301	405.9	979.4	12.09	3.467	5.336	1328.
140.0	194.8	2.118	470.3	1086.	12.91	3.423	5.348	1344.
160.0	182.2	1.981	534.8	1193.	13.62	3.387	5.345	1362.
180.0	171.2	1.875	599.1	1300.	14.25	3.357	5.333	1380.
200.0	161.5	1.789	663.3	1407.	14.81	3.333	5.318	1400.
220.0	152.8	1.719	727.3	1513.	15.32	3.313	5.301	1419.
240.0	145.0	1.660	791.2	1619.	15.78	3.295	5.285	1439.
260.0	138.0	1.610	854.9	1724.	16.20	3.280	5.269	1460.
280.0	131.7	1.566	918.4	1829.	16.59	3.267	5.255	1480.
300.0	126.0	1.528	981.9	1934.	16.96	3.256	5.242	1500.

PRESSURE = 150.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _v [J/g·K]	C _p [J/g·K]	V_SOUND [m/s]
80.00	267.7	3.372	288.7	849.0	9.495	3.629	5.116	1424.
100.0	249.4	2.895	351.3	952.7	10.65	3.564	5.241	1431.
120.0	233.1	2.582	414.7	1058.	11.61	3.507	5.306	1442.
140.0	218.6	2.360	478.5	1165.	12.43	3.461	5.337	1456.
160.0	205.7	2.194	542.4	1272.	13.15	3.422	5.347	1472.
180.0	194.3	2.065	606.4	1378.	13.78	3.390	5.344	1489.
200.0	184.1	1.962	670.3	1485.	14.34	3.364	5.335	1506.
220.0	174.9	1.877	734.2	1592.	14.85	3.341	5.323	1524.
240.0	166.6	1.806	798.0	1698.	15.31	3.322	5.309	1543.
260.0	159.1	1.745	861.7	1804.	15.73	3.306	5.284	1561.
280.0	152.3	1.693	925.2	1910.	16.13	3.291	5.280	1580.
300.0	146.1	1.648	988.7	2015.	16.49	3.279	5.267	1598.

PRESSURE = 200.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _v [J/g·K]	C _p [J/g·K]	V_SOUND [m/s]
80.00	298.1	4.037	308.5	979.3	8.918	3.670	4.994	1592.
100.0	281.0	3.427	369.1	1081.	10.05	3.613	5.154	1598.
120.0	265.2	3.025	430.9	1185.	11.00	3.558	5.251	1608.
140.0	250.9	2.741	493.5	1281.	11.81	3.510	5.308	1620.
160.0	237.9	2.530	556.4	1397.	12.52	3.470	5.338	1633.
180.0	226.1	2.365	619.7	1504.	13.15	3.436	5.351	1648.
200.0	215.5	2.234	683.0	1611.	13.72	3.406	5.353	1664.
220.0	205.8	2.126	746.5	1718.	14.23	3.382	5.349	1680.
240.0	197.0	2.036	809.9	1825.	14.69	3.360	5.340	1696.
260.0	189.0	1.960	873.4	1932.	15.12	3.341	5.330	1713.
280.0	181.6	1.894	936.8	2038.	15.52	3.325	5.318	1730.
300.0	174.8	1.836	1000.	2144.	15.88	3.311	5.305	1746.

PRESSURE = 300.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _v [J/g·K]	C _p [J/g·K]	V_SOUND [m/s]
80.00	342.6	5.269	350.5	1226.	8.112	3.704	4.795	1862.
100.0	327.4	4.411	407.8	1324.	9.204	3.667	4.994	1867.
120.0	312.9	3.847	466.6	1425.	10.13	3.622	5.134	1876.
140.0	299.2	3.447	526.6	1529.	10.93	3.578	5.230	1887.
160.0	286.5	3.150	587.5	1634.	11.63	3.538	5.294	1899.
180.0	274.8	2.920	649.0	1741.	12.26	3.502	5.335	1912.
200.0	263.9	2.737	710.9	1848.	12.82	3.471	5.360	1926.
220.0	253.8	2.586	773.1	1955.	13.33	3.443	5.373	1940.
240.0	244.5	2.461	835.6	2063.	13.80	3.419	5.379	1955.
260.0	235.9	2.355	898.3	2170.	14.23	3.398	5.378	1970.
280.0	227.8	2.264	961.0	2278.	14.63	3.379	5.374	1985.
300.0	220.4	2.184	1024.	2385.	15.00	3.362	5.367	2000.

PRESSURE = 400.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _v [J/g·K]	C _p [J/g·K]	V_SOUND [m/s]
80.00	375.4	6.412	393.4	1459.	7.545	3.712	4.649	2079.
100.0	361.7	5.325	448.1	1554.	8.605	3.689	4.854	2085.
120.0	348.3	4.608	504.4	1653.	9.505	3.656	5.019	2094.
140.0	335.4	4.101	562.1	1755.	10.29	3.619	5.142	2104.
160.0	323.2	3.723	620.9	1858.	10.98	3.582	5.232	2116.
180.0	311.7	3.432	680.5	1964.	11.60	3.548	5.297	2129.
200.0	300.9	3.200	740.8	2070.	12.16	3.516	5.342	2142.
220.0	290.8	3.010	801.7	2177.	12.67	3.488	5.373	2156.
240.0	281.3	2.852	863.0	2285.	13.14	3.453	5.393	2170.
260.0	272.4	2.719	924.6	2393.	13.57	3.440	5.404	2184.
280.0	264.1	2.604	986.5	2501.	13.97	3.420	5.409	2198.
300.0	256.3	2.504	1049.	2609.	14.35	3.402	5.410	2213.

PRESSURE = 120.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \rho}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.3302	1.355	0.4160	0.9762E-01
100.0	0.3923	1.231	0.4619	0.8986E-01
120.0	0.4423	1.218	0.5004	0.8310E-01
140.0	0.4829	1.155	0.5329	0.7725E-01
160.0	0.5164	1.119	0.5605	0.7215E-01
180.0	0.5446	1.081	0.5844	0.6769E-01
200.0	0.5686	1.047	0.6053	0.6376E-01
220.0	0.5895	1.018	0.6239	0.6027E-01
240.0	0.6080	0.9912	0.6404	0.5716E-01
260.0	0.6245	0.9710	0.6555	0.5436E-01
280.0	0.6394	0.9514	0.6691	0.5184E-01
300.0	0.6530	0.9319	0.6817	0.4954E-01

PRESSURE = 150.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \rho}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.2875	1.45	0.3894	0.1071
100.0	0.3470	1.36	0.4317	0.9955E-01
120.0	0.3962	1.25	0.4680	0.9285E-01
140.0	0.4371	1.21	0.4990	0.8692E-01
160.0	0.4712	1.13	0.5259	0.8168E-01
180.0	0.5002	1.12	0.5492	0.7703E-01
200.0	0.5251	1.16	0.5698	0.7289E-01
220.0	0.5467	1.05	0.5881	0.6918E-01
240.0	0.5659	1.07	0.6046	0.6585E-01
260.0	0.5829	1.02	0.6195	0.6283E-01
280.0	0.5984	1.00	0.6332	0.6009E-01
300.0	0.6124	0.9910	0.6458	0.5759E-01

PRESSURE = 200.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \rho}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.2384	1.53	0.3600	0.1197
100.0	0.2934	1.44	0.3976	0.1126
120.0	0.3406	1.37	0.4306	0.1061
140.0	0.3808	1.34	0.4595	0.1001
160.0	0.4151	1.27	0.4849	0.9481E-01
180.0	0.4446	1.24	0.5072	0.9000E-01
200.0	0.4702	1.25	0.5270	0.8566E-01
220.0	0.4926	1.11	0.5448	0.8172E-01
240.0	0.5124	1.10	0.5608	0.7814E-01
260.0	0.5301	1.12	0.5754	0.7488E-01
280.0	0.5461	1.07	0.5888	0.7189E-01
300.0	0.5606	1.04	0.6011	0.6914E-01

PRESSURE = 300.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \rho}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1805	1.61	0.3270	0.1383
100.0	0.2276	1.50	0.3578	0.1319
120.0	0.2703	1.54	0.3861	0.1258
140.0	0.3081	1.48	0.4116	0.1202
160.0	0.3415	1.44	0.4345	0.1149
180.0	0.3708	1.42	0.4550	0.1100
200.0	0.3967	1.32	0.4734	0.1055
220.0	0.4196	1.36	0.4901	0.1014
240.0	0.4401	1.33	0.5052	0.9753E-01
260.0	0.4584	1.22	0.5190	0.9398E-01
280.0	0.4750	1.23	0.5317	0.9070E-01
300.0	0.4900	1.27	0.5434	0.8765E-01

PRESSURE = 400.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial \rho}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1474	1.73	0.3089	0.1522
100.0	0.1878	1.62	0.3348	0.1463
120.0	0.2263	1.67	0.3597	0.1407
140.0	0.2616	1.69	0.3827	0.1353
160.0	0.2935	1.50	0.4037	0.1302
180.0	0.3221	1.51	0.4228	0.1254
200.0	0.3478	1.43	0.4402	0.1209
220.0	0.3707	1.47	0.4560	0.1166
240.0	0.3914	1.44	0.4704	0.1127
260.0	0.4100	1.32	0.4836	0.1090
280.0	0.4269	1.32	0.4957	0.1056
300.0	0.4423	1.34	0.5069	0.1024

PRESSURE = 500.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	401.6	7.491	436.3	1681.	7.107	3.718	4.554	2264.
100.0	389.0	6.187	488.8	1774.	8.143	3.596	4.738	2271.
120.0	376.6	5.326	543.0	1871.	9.022	3.672	4.911	2280.
140.0	364.5	4.717	598.6	1870.	9.790	3.643	5.053	2280.
160.0	352.8	4.264	655.5	2073.	10.47	3.611	5.163	2302.
180.0	341.7	3.914	713.4	2177.	11.09	3.580	5.247	2314.
200.0	331.1	3.635	772.1	2282.	11.64	3.550	5.310	2328.
220.0	321.1	3.408	831.6	2389.	12.15	3.523	5.356	2341.
240.0	311.6	3.219	891.6	2496.	12.62	3.497	5.390	2355.
260.0	302.6	3.059	952.1	2604.	13.05	3.474	5.412	2369.
280.0	294.1	2.923	1013.	2713.	13.45	3.453	5.427	2383.
300.0	286.2	2.804	1074.	2822.	13.83	3.434	5.436	2398.

PRESSURE = 600.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	423.7	8.521	478.5	1895.	6.746	3.738	4.511	2427.
100.0	412.0	7.012	529.5	1986.	7.766	3.698	4.646	2435.
120.0	400.3	6.013	581.8	2081.	8.628	3.678	4.815	2443.
140.0	388.9	5.305	635.6	2178.	9.382	3.656	4.966	2454.
160.0	377.8	4.779	690.8	2279.	10.05	3.630	5.091	2465.
180.0	367.0	4.372	747.0	2382.	10.66	3.602	5.190	2478.
200.0	356.7	4.049	804.3	2487.	11.21	3.575	5.268	2492.
220.0	346.8	3.786	862.3	2593.	11.72	3.549	5.329	2506.
240.0	337.4	3.567	921.1	2700.	12.18	3.524	5.374	2520.
260.0	328.4	3.383	980.5	2807.	12.61	3.501	5.409	2534.
280.0	319.9	3.225	1040.	2916.	13.01	3.480	5.433	2548.
300.0	311.8	3.088	1101.	3025.	13.39	3.461	5.450	2562.

PRESSURE = 800.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	460.0	10.47	560.6	2300.	6.158	3.854	4.587	2710.
100.0	449.3	8.572	609.7	2390.	7.171	3.714	4.538	2718.
120.0	438.9	7.313	659.3	2482.	8.008	3.681	4.661	2727.
140.0	428.5	6.419	710.2	2577.	8.737	3.664	4.809	2737.
160.0	418.4	5.754	762.3	2675.	9.389	3.647	4.948	2748.
180.0	408.3	5.240	815.6	2775.	9.979	3.627	5.068	2761.
200.0	398.6	4.831	870.0	2877.	10.52	3.606	5.169	2775.
220.0	389.1	4.499	925.5	2981.	11.01	3.584	5.253	2789.
240.0	380.0	4.223	981.8	3087.	11.47	3.562	5.320	2803.
260.0	371.2	3.991	1039.	3194.	11.90	3.541	5.375	2818.
280.0	362.7	3.792	1097.	3302.	12.30	3.521	5.418	2832.
300.0	354.6	3.620	1155.	3411.	12.68	3.502	5.451	2847.

PRESSURE = 1000.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	489.7	12.29	638.7	2681.	5.661	4.117	4.909	2954.
100.0	479.3	10.04	687.6	2774.	6.702	3.772	4.535	2961.
120.0	469.7	8.541	735.6	2865.	7.528	3.689	4.562	2969.
140.0	460.3	7.471	784.3	2957.	8.240	3.663	4.681	2979.
160.0	450.9	6.674	834.0	3052.	8.874	3.649	4.817	2990.
180.0	441.5	6.057	884.8	3150.	9.449	3.635	4.947	3003.
200.0	432.4	5.567	936.8	3250.	9.976	3.620	5.062	3016.
220.0	423.4	5.169	989.9	3352.	10.46	3.603	5.162	3030.
240.0	414.6	4.839	1044.	3456.	10.92	3.585	5.247	3045.
260.0	406.0	4.560	1099.	3562.	11.34	3.567	5.318	3060.
280.0	397.8	4.323	1155.	3669.	11.74	3.549	5.377	3075.
300.0	389.8	4.117	1211.	3777.	12.11	3.531	5.426	3090.

PRESSURE = 1200.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	515.3	14.01	712.4	3041.	5.193	4.570	5.530	3172.
100.0	504.7	11.45	762.9	3141.	6.304	3.893	4.643	3178.
120.0	495.6	9.714	810.3	3232.	7.135	3.717	4.519	3185.
140.0	486.8	8.477	857.4	3323.	7.835	3.665	4.585	3194.
160.0	478.1	7.552	905.3	3415.	8.455	3.646	4.704	3204.
180.0	469.4	6.838	954.1	3511.	9.017	3.635	4.832	3216.
200.0	460.7	6.269	1004.	3609.	9.532	3.624	4.954	3229.
220.0	452.2	5.807	1055.	3709.	10.01	3.612	5.065	3243.
240.0	443.8	5.424	1107.	3811.	10.45	3.598	5.163	3257.
260.0	435.5	5.102	1160.	3915.	10.87	3.583	5.248	3272.
280.0	427.5	4.827	1214.	4021.	11.26	3.568	5.320	3288.
300.0	419.6	4.589	1268.	4128.	11.63	3.552	5.382	3303.

PRESSURE = 500.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1264	1.779	0.2975	0.1633
100.0	0.1610	1.752	0.3196	0.1579
120.0	0.1957	1.725	0.3418	0.1527
140.0	0.2285	1.694	0.3628	0.1475
160.0	0.2588	1.660	0.3824	0.1426
180.0	0.2865	1.621	0.4004	0.1379
200.0	0.3117	1.590	0.4169	0.1335
220.0	0.3345	1.556	0.4320	0.1293
240.0	0.3552	1.523	0.4458	0.1253
260.0	0.3740	1.492	0.4586	0.1216
280.0	0.3911	1.462	0.4703	0.1180
300.0	0.4067	1.434	0.4812	0.1147

PRESSURE = 600.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1126	1.838	0.2901	0.1728
100.0	0.1418	1.805	0.3088	0.1677
120.0	0.1730	1.787	0.3286	0.1628
140.0	0.2034	1.762	0.3480	0.1579
160.0	0.2322	1.733	0.3664	0.1532
180.0	0.2589	1.702	0.3835	0.1486
200.0	0.2835	1.671	0.3993	0.1442
220.0	0.3060	1.638	0.4138	0.1401
240.0	0.3266	1.607	0.4272	0.1361
260.0	0.3454	1.577	0.4396	0.1323
280.0	0.3626	1.547	0.4510	0.1288
300.0	0.3784	1.518	0.4616	0.1254

PRESSURE = 800.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.9752E-01	1.951	0.2819	0.1884
100.0	0.1167	1.900	0.2945	0.1838
120.0	0.1416	1.881	0.3105	0.1793
140.0	0.1676	1.865	0.3272	0.1748
160.0	0.1934	1.845	0.3435	0.1705
180.0	0.2180	1.822	0.3591	0.1662
200.0	0.2413	1.797	0.3737	0.1620
220.0	0.2630	1.770	0.3874	0.1580
240.0	0.2832	1.743	0.4002	0.1541
260.0	0.3019	1.715	0.4120	0.1504
280.0	0.3191	1.688	0.4230	0.1468
300.0	0.3351	1.661	0.4333	0.1434

PRESSURE = 1000.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.9311E-01	2.068	0.2792	0.2013
100.0	0.1022	1.977	0.2860	0.1968
120.0	0.1212	1.952	0.2986	0.1926
140.0	0.1433	1.940	0.3129	0.1885
160.0	0.1661	1.927	0.3275	0.1845
180.0	0.1887	1.911	0.3418	0.1804
200.0	0.2105	1.892	0.3555	0.1765
220.0	0.2313	1.870	0.3685	0.1726
240.0	0.2509	1.847	0.3807	0.1688
260.0	0.2692	1.823	0.3922	0.1652
280.0	0.2864	1.798	0.4029	0.1617
300.0	0.3024	1.774	0.4129	0.1583

PRESSURE = 1200.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.9612E-01	2.186	0.2801	0.2125
100.0	0.9413E-01	2.048	0.2808	0.2079
120.0	0.1074	2.010	0.2902	0.2039
140.0	0.1258	1.998	0.3024	0.2001
160.0	0.1459	1.990	0.3155	0.1963
180.0	0.1665	1.979	0.3287	0.1925
200.0	0.1868	1.965	0.3416	0.1887
220.0	0.2065	1.949	0.3539	0.1850
240.0	0.2254	1.930	0.3657	0.1814
260.0	0.2433	1.910	0.3768	0.1778
280.0	0.2602	1.888	0.3873	0.1744
300.0	0.2761	1.866	0.3972	0.1710

PRESSURE = 1400.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	538.2	15.65	781.4	3383.	4.717	5.258	6.532	3372.
100.0	526.9	12.79	835.5	3493.	5.948	4.090	4.872	3376.
120.0	518.0	10.84	883.1	3586.	6.798	3.775	4.537	3381.
140.0	509.7	9.445	929.4	3676.	7.494	3.677	4.524	3388.
160.0	501.5	8.399	975.8	3767.	8.103	3.643	4.611	3397.
180.0	493.4	7.589	1023.	3861.	8.653	3.630	4.729	3408.
200.0	485.2	6.945	1071.	3956.	9.158	3.621	4.851	3421.
220.0	477.1	6.421	1120.	4055.	9.626	3.613	4.968	3434.
240.0	469.0	5.987	1170.	4155.	10.06	3.603	5.075	3449.
260.0	461.1	5.622	1221.	4258.	10.47	3.581	5.170	3464.
280.0	453.3	5.310	1273.	4362.	10.86	3.578	5.254	3479.
300.0	445.7	5.041	1326.	4468.	11.22	3.566	5.327	3495.

PRESSURE = 1600.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	559.2	17.22	845.0	3706.	4.202	6.233	8.049	3560.
100.0	546.8	14.09	905.1	3831.	5.613	4.376	5.235	3559.
120.0	537.9	11.93	954.0	3929.	6.499	3.869	4.615	3562.
140.0	529.9	10.38	1000.	4019.	7.198	3.704	4.497	3567.
160.0	522.2	9.219	1045.	4109.	7.801	3.646	4.540	3575.
180.0	514.5	8.317	1091.	4201.	8.341	3.625	4.639	3585.
200.0	506.8	7.600	1138.	4295.	8.836	3.616	4.756	3596.
220.0	499.1	7.016	1185.	4391.	9.294	3.609	4.873	3609.
240.0	491.4	6.531	1234.	4490.	9.723	3.602	4.985	3623.
260.0	483.8	6.124	1283.	4591.	10.13	3.584	5.088	3638.
280.0	476.2	5.777	1334.	4694.	10.51	3.584	5.181	3654.
300.0	468.8	5.477	1385.	4798.	10.87	3.574	5.263	3669.

PRESSURE = 1800.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	579.1	18.70	902.6	4011.	3.618	7.568	10.30	3738.
100.0	564.8	15.34	971.8	4159.	5.285	4.764	5.750	3730.
120.0	555.8	12.99	1023.	4261.	6.226	4.005	4.758	3731.
140.0	548.1	11.29	1069.	4353.	6.936	3.750	4.506	3734.
160.0	540.7	10.02	1114.	4443.	7.535	3.657	4.481	3740.
180.0	533.4	9.026	1159.	4534.	8.068	3.622	4.563	3749.
200.0	526.1	8.236	1204.	4626.	8.554	3.609	4.669	3759.
220.0	518.7	7.593	1250.	4720.	9.004	3.603	4.783	3772.
240.0	511.4	7.060	1297.	4817.	9.425	3.598	4.897	3785.
260.0	504.1	6.612	1345.	4916.	9.821	3.592	5.005	3798.
280.0	496.8	6.230	1394.	5017.	10.20	3.585	5.104	3815.
300.0	489.6	5.900	1444.	5120.	10.55	3.577	5.194	3830.

PRESSURE = 2000.0 [MPa]

TEMP [K]	DENSITY [kg/m ³]	PV/RT [-]	ENERGY [J/g]	ENTHALPY [J/g]	ENTROPY [J/g·K]	C _V [J/g·K]	C _P [J/g·K]	VSOUND [m/s]
80.00	598.4	20.11	952.8	4295.	2.927	9.369	13.70	3910.
100.0	581.6	16.56	1035.	4474.	4.954	5.265	6.440	3893.
120.0	572.1	14.02	1090.	4585.	5.970	4.187	4.968	3890.
140.0	564.5	12.18	1137.	4680.	6.698	3.817	4.551	3891.
160.0	557.4	10.80	1182.	4770.	7.298	3.678	4.464	3896.
180.0	550.5	9.717	1226.	4859.	7.825	3.624	4.502	3903.
200.0	543.5	8.857	1270.	4950.	8.304	3.603	4.581	3912.
220.0	536.5	8.157	1315.	5043.	8.746	3.595	4.699	3923.
240.0	529.5	7.576	1361.	5138.	9.160	3.591	4.812	3936.
260.0	522.5	7.088	1407.	5235.	9.550	3.588	4.922	3950.
280.0	515.5	6.671	1455.	5335.	9.918	3.583	5.026	3965.
300.0	508.5	6.311	1503.	5436.	10.27	3.577	5.122	3980.

PRESSURE = 1400.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1055	2.297	0.2842	0.2226
100.0	0.9042E-01	2.115	0.2778	0.2176
120.0	0.9805E-01	2.059	0.2842	0.2137
140.0	0.1128	2.044	0.2944	0.2101
160.0	0.1303	2.038	0.3061	0.2065
180.0	0.1490	2.033	0.3183	0.2029
200.0	0.1678	2.024	0.3304	0.1994
220.0	0.1865	2.012	0.3422	0.1958
240.0	0.2045	1.997	0.3535	0.1923
260.0	0.2219	1.981	0.3643	0.1889
280.0	0.2385	1.962	0.3745	0.1855
300.0	0.2542	1.943	0.3843	0.1822

PRESSURE = 1600.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1217	2.394	0.2916	0.2319
100.0	0.9007E-01	2.179	0.2764	0.2264
120.0	0.9175E-01	2.102	0.2797	0.2225
140.0	0.1030	2.081	0.2881	0.2190
160.0	0.1181	2.077	0.2985	0.2156
180.0	0.1348	2.075	0.3097	0.2122
200.0	0.1523	2.071	0.3211	0.2088
220.0	0.1698	2.063	0.3323	0.2054
240.0	0.1870	2.053	0.3432	0.2021
260.0	0.2038	2.040	0.3538	0.1987
280.0	0.2200	2.024	0.3638	0.1954
300.0	0.2355	2.008	0.3734	0.1922

PRESSURE = 1800.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1460	2.475	0.3028	0.2408
100.0	0.9250E-01	2.238	0.2764	0.2344
120.0	0.8780E-01	2.140	0.2764	0.2304
140.0	0.9555E-01	2.112	0.2831	0.2270
160.0	0.1082	2.108	0.2923	0.2237
180.0	0.1232	2.108	0.3025	0.2205
200.0	0.1393	2.108	0.3132	0.2173
220.0	0.1557	2.105	0.3239	0.2140
240.0	0.1721	2.098	0.3344	0.2108
260.0	0.1883	2.089	0.3446	0.2076
280.0	0.2040	2.077	0.3545	0.2044
300.0	0.2191	2.063	0.3639	0.2013

PRESSURE = 2000.0 [MPa]

TEMP [K]	$\left(\frac{T}{V} \frac{\partial V}{\partial T}\right)_P$	$\left(\frac{V}{C_V} \frac{\partial P}{\partial T}\right)_V$	$\left(\frac{P}{\rho} \frac{\partial \rho}{\partial P}\right)_T$	DIEL - 1
80.00	0.1820	2.539	0.3197	0.2494
100.0	0.9743E-01	2.292	0.2776	0.2419
120.0	0.8570E-01	2.175	0.2741	0.2377
140.0	0.8995E-01	2.138	0.2789	0.2343
160.0	0.1003	2.132	0.2870	0.2311
180.0	0.1136	2.135	0.2964	0.2280
200.0	0.1283	2.138	0.3064	0.2250
220.0	0.1436	2.138	0.3166	0.2219
240.0	0.1592	2.135	0.3267	0.2188
260.0	0.1747	2.130	0.3366	0.2157
280.0	0.1899	2.121	0.3462	0.2126
300.0	0.2047	2.110	0.3555	0.2095

<p>U.S. DEPT. OF COMM.</p> <p>BIBLIOGRAPHIC DATA SHEET (See instructions)</p>				1. PUBLICATION OR REPORT NO.	2. Performing Organ. Report No.	3. Publication Date
				NIST TN 1334		November 1989
4. TITLE AND SUBTITLE						
Thermophysical Properties of Helium-4 from 0.8 to 1500 K with Pressures to 2000 MPa						
5. AUTHOR(S)						
Vincent D. Arp and Robert D. McCarty						
6. PERFORMING ORGANIZATION (If joint or other than NBS, see instructions) <p>National Institute of Standards and Technology NATIONAL BUREAU OF STANDARDS DEPARTMENT OF COMMERCE WASHINGTON, D.C. 20234</p>				7. Contract/Grant No.		
					8. Type of Report & Period Covered	
9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS (Street, City, State, ZIP)						
Supported in part by: Department of Defense Kirtland Air Force Base and NASA Ames Research Laboratory						
10. SUPPLEMENTARY NOTES						
Supersedes NBS Technical Note 631 dated November 1972.						
<input type="checkbox"/> Document describes a computer program; SF-185, FIPS Software Summary, is attached.						
11. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here)						
<p>Tabular summary data of the thermophysical properties of fluid helium are given for temperatures from 0.8 to 1500 K, with pressures to 2000 MPa between 75 and 300 K, or to 100 MPa outside of this temperature band. Properties include density, specific heats, enthalpy, entropy, internal energy, sound velocity, expansivity, compressibility, thermal conductivity, and viscosity. The data are calculated from a computer program which is available from the National Institute of Standards and Technology. The computer program is based on carefully fitted state equations for both normal and superfluid helium.</p>						
12. KEY WORDS (Six to twelve entries; alphabetical order; capitalize only proper names; and separate key words by semicolons)						
conductivity; density; helium; sound velocity; specific heat; state equation; superfluid; thermodynamic properties; viscosity						
13. AVAILABILITY				14. NO. OF PRINTED PAGES		
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